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Model State Information System Training Program. Volume 11. Data Entry Instructions

Cincinnati Univ., OH

Prepared for

Environmental Protection Agency, Washington, DC

Aug 77

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Model State Information System Training Program

Volume XI

DATA ENTRY INSTRUCTIONS

Prepared for the

U.S. Environmental Protection Agency
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Task Assignment OWS-77-01

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SouthWestern Ohio Regional Computer Center
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This manual was designed to give the user of the Model State Information System (MSIS) explicit instructions on how to fill out all input forms and turnaround documents contained in the system. Each form and document has a number assigned to it which was developed as part of the documentation of MSIS.

KEYWORDS: *Information systems, *Specialized instruction.

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Bruce O. Keith
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Project Managers, OWS-76-02

Binder 20
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Introduction

This manual was designed to give the user of the Model State Information System (MSIS) explicit instructions on how to fill out all input forms and turnaround documents contained in the system. Each form and document has a number assigned to it which was developed as part of the documentation of MSIS. The number is in the format AAAA.NNN where AAAA is the four character subsystem abbreviation and NNN is a three digit number ranging from 100 to 199 for input forms, and 400 instructions associated with every input form or turnaround document. Thus, there are data entry instructions associated with every input form or turnaround document.

All instructions are arranged numerically within subsystem. The phrase "Must be entered" is used to identify those fields which are required for the system to effectively use a record. Where additions and corrections or changes are permitted using a form, the Description phrase "Must be entered" only applies when the transaction is being used to add a record to the appropriate file or table. A complete description of the Data Entry Instructions form follows.

Data Entry Instructions Form Description

The "Data Entry Instructions" form provides instructions on how to fill out data input forms or turnaround documents of the system. The fields on this form contain the following information:

1. SOURCE DOCUMENT NAME: contains the title of the input form.

2. EXHIBIT: contains the input form or turnaround document exhibit number which can be found in the upper right hand corner of a form.

3. PURPOSE: contains a short description of the purpose of the input form.

4. LEGEND: contains the abbreviations and definitions used in "ADDITIONAL INSTRUCTIONS."

5. CARD COL. FROM/TO: contains the card columns into which this information is coded.

6. INPUT DOCUMENT NAME: contains the heading as it appears in whole or part on the input form.

7. DESCRIPTION: contains instructions for entering this information.

8. ADDITIONAL INSTRUCTIONS: are presented as further clarification. The abbreviations utilized are explained in "LEGEND" above.

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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List of Input Forms

A. Public Water System Inventory Subsystem (Page 11)

1. Input Forms

Exhibit #	Description
PWSI.100	Sort Options for Modules PWSI030 through PWSI080
PWSI.101	Processing Options for Modules PWSI080 and PWSI130
*PWSI.102	Inventory of Public Water Supplies, EPA Form 7500-11, Input form (National Inventory)
PWSI.103	Processing Options for Module PWSI090
PWSI.104	Intentionally Left Out
PWSI.105	Restart Options for Module PWSI060
PWSI.106	Processing Options for Module PWSI070
PWSI.107	PWF and PHF Selection Form-Definition of Data Elements
PWSI.108	PWF and PHF Selection Form-Definition of Logic for Selection
PWSI.109 and PWSI.110	Intentionally Left Out
PWSI.111	Processing Options for Module PWSI010
PWSI.112	Processing Options for Module PWSI120
PWSI.113	Processing Options for Module PWSI020
PWSI.114	Record Status and Deletion Form
PWSI.115	PWS ID Conversion Transaction File
PWSI.116	Processing Options for Module PWSI125
PWSI.117	Processing Options for Module PWSI150
PWSI.118	Entry Point Creation and Maintenance Form Refer to Card Code 16 of PWSI.400-401 (page 92.1).
PWSI.119	Trihalomethane Data Entry and Maintenance Form Refer to Card Code 10 PWSI.400-401 (page 65).
PWSI.120 thru PWSI.130	Intentionally Left Out
PWSI.131	Non-Community Strategy Data Input Form

2. Turnaround Documents

PWSI.400	Public Water File (PWF) Record Creation and Maintenance Form, page 1 (Turnaround Document)

PWSI.401	Public Water File (PWF) Record Creation and Maintenance Form, page 2 (Turnaround Document)

B. Regulations Subsystem (Page 93)

1. Input Forms

Exhibit #	Description
REGS.100	Processing Options for Module REGS010
REGS.101	Chemical Contaminant Input Form
REGS.102	Turbidity Contaminant Input Form
REGS.103	Population Table for Bacteriological Sampling Input Form
REGS.104	Bacteriological Contaminant Input Form
REGS.105	Fluoride MCL Table Input Form
REGS.106	Major Beta Emitter Table Input Form
REGS.107	Gross Alpha Radionuclide Contaminant Input Form
REGS.108	Gross Beta Radionuclide Contaminant Input Form
REGS.109	Processing Options for Module REGS020
REGS.110	Early Notification Table Input Form

C. Water Quality Compliance Subsystem (Page 169)

1. Input Forms

Exhibit #	Description
WAQC.100	Processing Options for Module WAQC210
WAQC.101	Laboratory Table Input Form, page 1
WAQC.102	Laboratory Table Input Form, page 2
WAQC.103	Processing Options for Modules WAQC010 and WAQC020
WAQC.104	Sort Options for Modules WAQC011, WAQC012, WAQC016 through WAQC019, WAQC040, through WAQC090, and WAQC110 through WAQC113
WAQC.105	Sample Deletion Transactions Input Form for the Periodic Sample File

WAQC.106	Chemical or Radiological Analysis Input Form
WAQC.107	Bacteriological or Turbidity Analysis Input Form
WAQC.108	Bacteriolgocial or Turbidity Summary Analysis Input Form
WAQC.109	Intentionally Left Out
WAQC.110	Sample Deletion Transactions Input Form for the Sample Analysis File
WAQC.111	Processing Options for Modules WAQC011, WAQC013, and WAQC125
WAQC.112	Intentionally Left Out
WAQC.113	Processing Options for Module WAQC220
WAQC.114	Processing Options for Module WAQC130
WAQC.115	Processing Options for Module WAQC100
WAQC.116	SAF and VIF Selection Form- Definition of Data Elements
WAQC.117	SAF and VIF Selection Form- Definition of logic for Selection
WAQC.118	Processing Options for Module WAQC115
WAQC.119	Violations File (VIF) Record Creation and Maintenance
WAQC.120	Violations File (VIF) Record Creation and Maintenance Form, page 2
WAQC.121	Processing Options for Module WAQC025
WAQC.122	Violations File (VIF) Record Creation and Maintenance Form, page 3
WAQC.123	Violations File (VIF) Record Creation and Maintenance Form, page 4
WAQC.124	Sample Scheduling Input Form
WAQC.125	Restart Options for Modules WAQC150, WAQC170 and WAQC180
WAQC.126	PWS Consecutive Contaminant Input Form
WAQC.128	Processing Options '00' for Module WAQC012
WAQC.129	Processing Options '01' for Module WAQC012
WAQC.130	Violations File (VIF) Record Creation and Maintenance Form, page 5

2. Turnaround Documents

Exhibit #	Description
WAQC.400	Chemical or Radiological Analysis Input Form (Turnaround Document)
WAQC.401	Bacteriological or Turbidity Analysis Input Form (Turnaround Document)
WAQC.402	Bacteriological or Turbidity Summary Analysis Input Form (Turnaround Document)

D. Federal Reporting Subsystem (Page 255)

1. Input Forms

Exhibit #	Description
FEDR.100	Processing Options for Module FEDR010
FEDR.101	Processing Options for Module FEDR020

E. Standard Processing Subsystem (Page 257)

1. Input Forms

Exhibit #	Description
MSIS.100	Processing Options for Module MSIS050
MSIS.101	Processing Options for Modules MSIS030 and MSIS040
MSIS.102	Error Message Table Input Form
MSIS.103	Code Value Table Input Form
MSIS.104	Data element Table Input Form
MSIS.105	Intentionally Left Out
MSIS.106	SHF Selection Form - Definition of Data Elements
MSIS.107	SHF Selection Form - Definition of Logic for Selection
MSIS.108	Sort Options for Module MSIS040

F. Variances and Exemptions Subsystem (Page 279)

1. Input Forms

Exhibit #	Description
VAEX.100	Variances and Exemptions File (VEF) Record Creation and Maintenance Form, page 1
VAEX.101	Variances and Exemptions File (VEF) Record Creation and Maintenance Form, page 3
VAEX.102	Processing Options for Module VAEX010
VAEX.103	Sort Options for Module VAEX040
VAEX.104	Processing Options for Module VAEX040
VAEX.105	VEF Selections Form - Definition of Data Elements
VAEX.106	VEF Selection Form - Definition of Logic for Selection
VAEX.107	Variances and Exemptions File (VEF) Record Creation and Maintenance Form, page 2

G. Sanitary Survey Subsystem (Page 331)

1. Input Forms

Exhibit #	Description
SRVY.100	Processing Options for Module SRVY010
SRVY.101	Sort Options for Module SRVY010

H. Operator and Mailing Subsystem (Page 343)

1. Input Forms

Exhibit #	Description
OPER.100	Operator and Mailing File (OMF) Record Creation and Maintenance Form
OPER.101	Processing Options for Module OPER010
OPER.102	Processing Options for Module OPER020
OPER.103	Sort Options for Module OPER020
OPER.104	OMF Selection Form - Definition of Data Elements
OPER.105	OMF Selection Form - Definition of Logic for Selection

* There are no Data Entry Instructions for PWSI.102 as it is a government printed form and is not used within the system.

NOTES

Data Entry Instructions

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	PWSI.100
PURPOSE: To determine the sequence in which output files from programs PWSI030, PWSI040, and PWSI050 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Sort Processing Options.	
			Preprinted on the form as "SORT".	
5	6	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 7-16 in deter-	
			mining the sort of output records or	
			reports. The lowest number deter-	
			mines the first data element to be	
			used in sorting records. The second	
			lowest number determines the next	
			data element to be used in sorting	
			records and so on. Start with Sort	
			Sequence of '01' and continue with	
			'02', '03' in sequence as needed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	PWSI.100
PURPOSE: To determine the sequence in which output files from programs PWSI030, PWSI040, and PWSI050 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
7	16	Mnemonic	Enter the Mnemonic Name of the Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
17	17	Sort Mode	Enter 'A' for an ascending sequence or	A
			'D' for a descending sequence for the	
			Data Element specified in Columns	
			7-16. Ascending means that smaller	
			or lower values will be sorted first.	
			Example: 1,2,3,4 or A,B,C.	
			Descending will cause the reverse to	
			occur. Example: Z,Y,X,W.	
18	19	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 20-29 in deter-	
			mining the sort of output records or	
			reports.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	PWSI.100
PURPOSE: To determine the sequence in which output files from programs PWSI030, PWSI040, and PWSI050 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	29	Mnemonic	Enter the Mnemonic Name of a Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
30	30	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in Columns	
			20-29.	
31	32	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 33-42 in deter-	
			mining the sort of output records or	
			reports.	
33	42	Mnemonic	Enter the Mnemonic Name of a Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	PWSI.100
PURPOSE: To determine the sequence in which output files from programs PWSI030, PWSI040, and PWSI050 will be sorted.	**LEGEND:** A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
43	43	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 33-42.	A
44	45	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 46-55 in determining the sort of output records or reports.	N
46	55	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
56	56	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 46-55.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: PWSI.100
PURPOSE: To determine the sequence in which output files from programs PWSI030, PWSI040, and PWSI050 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	58	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 59-68 in determining the sort of output records or reports.	N
59	68	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N, LJ
69	69	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 59-68.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	PWSI.101
PURPOSE: Processing Option needed in PWSI080, and PWSI130	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 = RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the	
			job identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the code for the	A
			Processing Options card. Preprinted	
			on form as 'PROC'.	
5	10	Date	Enter the current date. Enter as	N
			MMDDYY, where MM is month, DD is day,	
			and YY is year. Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for PHF Purge	EXHIBIT: PWSI.103
PURPOSE: Used to select Public History File (PHF) Records for purge, to supply report date, and to select whether or not to produce a report.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job description	
			as assigned by computer operations or	
			scheduling.	
1	4	Card ID	Represents the code for the Processing	A
			Options card. The letters 'PROC' are	
			preprinted on the form.	
5	10	Date	Enter the date the job is requested	N
			(usually the current date). It must be	
			entered as MMDDYY where MM is month, DD	
			is day, and YY is the year.	
14	19	Date	Enter the date used to determine which	N
			records are to be purged (records are	
			purged whose current update date is less	
			than this Processing Options date). It	
			must be entered in the order of month-	
			day-year as stated above.	
*20	20	Report	Enter the code to determine whether or	A
		Option	not to produce the Public History File	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for PHF Purge	EXHIBIT: PWSI.103
PURPOSE: Used to select Public History File (PHF) Records for purge, to supply report date, and to select whether or not to produce a report.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Purge Report. The code options are:	
			Y=Produce the PHF purge report of	
			all purged records	
			N=Do not produce a report	
			*If column 20 is blank or invalid the	
			default option will be not to produce	
			a report. Only one 'PROC' record can	
			be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Restart Form for Jobs (PWSI060)	EXHIBIT: PWSI.105
PURPOSE: Used to specify the page number at which printing will be restarted for PWSI060	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of forms enter the job	
			description as assigned by computer	
			operations or scheduling	
1	7	Card ID	Represents the card identifier for	
			the Restart Options.	
			Preprinted on the form as 'RESTART'.	
8	14	Restart	Enter the page number at which	N,PRE/0
		Number	printing of the turnaround document	RJ
			is to be restarted	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.106
PURPOSE: Processing Options Card for PWSI History Maintenance Module PWSI070	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the code for the	A
			Processing Options record.	
			Preprinted on the form as 'PROC'.	
5	10	Date	Enter the current date.	N
			Enter as MMDDYY where MM is month,	
			DD is day, and YY is year.	
			Must be entered.	
11	11	Standard	Enter 'Y' or 'N' indicating whether	A
		Error	or not to create a special output	
		Processing	file of error records.	
		Options		
12	12	Standard	Enter 'Y' or 'N' indicating print	A
		Error	only the data element fields which	
		Processing	were in error - not the entire	
		Options	record.	

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SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.106
PURPOSE: Processing Options Card for PWSI History Maintenance Module PWSI070	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preceded LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
13	13	Public	Enter the code for the type of report	N
		History	to be produced.	
		Report	1 = Only new public history file	
		Option	records	
			2 = All the public history file	
			records	
			3 = Do not print a report	

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SOURCE DOCUMENT NAME:	EXHIBIT:
Selection Form - Definition of Data Elements	PWSI.107
PURPOSE: Selection Option used in PWSI080	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	The unique card code ID 'SEL1'.	
			Preprinted on the form.	
5	14	Mnemonic	This is the short mnemonic name of	A/N
		Name	the data elements on the Public Water	
			File (PWF). Enter the name of the	
			data element which will be used to	
			determine selection.	
15	29	Comparative	This is the value to be associated	A/N,LJ
		Value	with the data element named in	
			Mnemonic Name.	
30	31	Logic ID	This is an ID number used to	N
		Number	uniquely identify the Comparative	
			Value from other SEL1 records.	
			It must be a number between 1-35.	

MODEL STATE INFORMATION SYSTEM
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SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Selection Form - Definition of Logic for Selection	EXHIBIT: PWSI.108
PURPOSE: Selection Option used in PWSI080	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	The unique card code ID 'SEL2'.	
			Preprinted on the form.	
5	6	RELATION	Enter the relation symbol for the	A
		SYMBOL	type of comparison that should be	
			done in the selection process for a	
			particular data element that has been	
			defined on a 'SEL1' record. Enter	
			the symbol next to the DATA ELEMENT	
			LOGIC ID NUMBER from the SEL1 records.	
			The relation symbols are listed on the	
			form.	
7	74		All the other fields on this record	
			have the same description as the above.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.111
PURPOSE: Public Water System - Data Entry and Updating Processing Options	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the	
			job identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	The unique card-code ID.	
			It is preprinted on the form as 'PROC'	
5	10	Date	Enter the current date. Enter as	N
			MMDDYY where MM is month, DD is day	
			and YY is year. Must be entered.	
*11	11	Standard	Enter an indicator for whether or not	A
		Error	to create a special output error file.	
		Option (1)	'Y' = Yes, 'N' = No. Must be entered.	
*12	12	Standard	Enter an indicator for what type of	A
		Error	Standard Error Report to print:	
		Option (2)	'Y' = record with only data element	
			fields in error, 'N' = entire record	
			containing error(s).	
			Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.111
PURPOSE: Public Water System - Data Entry and Updating Processing Options	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
+14	14	Report	Request for New PWS Records.	N
		Option	Enter:	
			1 = do not produce a report	
			2 = produce report on preprinted	
			status and entry form	
			(turnaround document)	
			3 = produce comprehensive report	
@15	15	Report	Request for incomplete PWS Records.	N
		Option	Enter:	
			2 = produce report on preprinted	
			status and entry form	
			3 = produce comprehensive report	
@16	16	Report	Enter the report option for PWS Status	N
		Option	Records.	
			Enter:	
			2 = produce report on preprinted	
			status and entry form	
			3 = produce comprehensive report	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.111
PURPOSE: Public Water System - Data Entry and Updating Processing Options	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
+17	17	Report	Enter the report option for	N
		Option	unsuccessful update Records.	
			Enter:	
			1 = do not produce a report	
			2 = produce report on preprinted	
			status and entry form	
			3 = produce comprehensive report	
*	If	invalid, default to 'N'		
+	If	invalid, default to '1'		
@	If	invalid, default to '3'		
Only one 'PROC' record can be entered				

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.112
PURPOSE: The Processing Options for the module which converts the national PWF to the MSIS PWF. (PWSI120)	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the code for the	A
			Processing Options card.	
			Preprinted on the form as 'PROC'.	
5	10	Date	Enter the current date.	N
			Enter as MMDDYY where MM is month,	
			DD is day, and YY is year.	
11	12	Postal	Enter the alphabetic postal state	A
		State	code of the state which is to be	
		Code	converted from the National Public	
			Water File Format to the MSIS Public	
			Water File format.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE OF

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.113
PURPOSE: To determine the type of report to be printed from the selected Public Water File (PWF) Records	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier	A
			preprinted on the form as 'PROC'.	
5	10	Date	Enter the current date. Must be	N
			entered as MMDDYY. Where MM is the	
			Month, DD is the day, and YY is the	
			year.	
14	14	Condensed	Enter 'Y' to produce the Condensed	A
		Report	Report. Enter 'N' to suppress the	
		PWSI030	report.	
15	15	Production	Enter 'Y' to produce the Production	A
		and	and Capacity Data Report. Enter 'N'	
		Capacity	to suppress the report.	
		Data		
		Report		
		PWSI040		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: PWSI.113
PURPOSE: To determine the type of report to be printed from the selected Public Water File (PWF) Records.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
16	16	State	Enter 'Y' to produce the State	A
		Discretion-	Discretionary Data Report. Enter	
		ary Data	'N' to suppress the report.	
		Report		
		PWSI050		
17	17	Comprehen-	Enter '1' to suppress the report.	N
		sive	Enter '2' to produce the PWF Status	
		Report	and Entry Form (Turnaround Document).	
		PWSI060	Enter '3' to produce the	
			Comprehensive Report (computer stock	
			listing).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Status and Deletion Form (PWSI010)	PWSI.114
PURPOSE: Input Transaction to request a Status or Report to delete a Public Water System	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	A unique 7-digit number of a	N
			currently existing Public Water	
			System (PWS). Value must be numeric.	
8	9	Card Code	A two-postion field indicating	N
			whether a status request or a delete	
			request is desired.	
			The valid codes are:	
			'98' = Status Report	
			'99'= Delete Request	
			Note: a code '99' will only delete if	
			the PWS activity indicator is "I".	
10	10		A preprinted code indicating that	A
			this record is to be card input.	
			The valid code is 'Y'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/10/78

SOURCE DOCUMENT NAME:	EXHIBIT:
PWS ID Conversion Transaction File	PWSI.115
PURPOSE: Used to change the Public Water System Identification (PWS ID) on the PWF Transaction File.	LEGEND: N=Numeric PRE/0=Precede Zero RJ=Right Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	NEW PWS ID	Enter the state assigned Public Water	N,PRE/0,
			System Identification (PWS ID) Code.	RJ
			Must be entered.	
			Must be greater than zero.	
8	14	OLD PWS ID	Enter the PWS ID as appears on the PWF	N,PRE/0,
			Transaction File.	RJ
			Must be entered if matching on PWS ID.	
15	28	NATIONAL	Enter the National Inventory File Key	N,PRE/0,
		INVENTORY	as appears on the PWF Transaction File.	RJ
		FILE KEY	Must be entered if matching on National	
			Inventory Key.	
		NOTE:	Matching has to be done on either PWS ID	
			or National Inventory File Key for any	
			one run of the job.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/10/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	PWSI.116
PURPOSE: Processing Option needed in PWSI125	LEGEND A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the	
			job identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the code for the	A
			Processing Options card. Preprinted	
			on form as 'PROC'.	
5	10	Date	Enter the current date. Enter as	N
			MMDDYY, where MM is month, DD is day,	
			and YY is year. Must be entered.	
14	14	Key Option	Enter the key by which the records are	N
			to be matched.	
			Enter a '1' for matching on PWS ID.	
			Enter a '2' for matching on National	
			Inventory File Key.	
			Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
10/15/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	PWSI.117
PURPOSE: Processing Options needed in PWSI150	LEGEND: A=Alpha, N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			Identification as assigned by computer	
			operations or scheduling.	
1	4	Card ID	Represents the code for the Processing	A
			Options card. Preprinted on form as	
			'PROC'.	
5	10	Date	Enter the current date. Enter as	N
			MMDDYY, where MM is month, DD is day,	
			and YY is year. Must be entered.	
14	14	Number of	Enter the number of set(s) of labels	N
		Labels	to print. If invalid, default to '1'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
10/15/78

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			(This page intentionally left blank.)	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This form is used to add records to the Public Water File (PWF). Card Code 00	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Enter the seven digit identify-	N
			ing the Public Water System (PWS).	
			Must be entered.	
8	9	Card Code	Preprinted on the form as "00".	
10	10	New	Enter a "Y" if a new record is being	A/N
		Record	created. Otherwise leave blank.	
		Code		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update the plant owner name and address. Card Code 01	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "01".	
10	39	Plant	Enter the name of the owner or the	A/N,
		Owner	plant name of the PWS.	LJ
		Name		
40	69	Street	Enter the street address of the plant	A/N,
			owner or plant.	LJ

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update the plant owner address and type. Card Code 02	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/O=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "02".	
10	39	City	Enter the city of the plant owner	A/N,
			or plant.	LJ
40	41	State	Enter the alphabetic postal code of	A
			the state of the plant owner or plant.	
			Acceptable codes are found in the Code	
			Value Table (CVT).	
42	46	Zip Code	Enter the zip code of the plant	N
			owner or plant.	
47	47	Owner	Enter the code indicating the type	A/N
		Type	of ownership of the PWS. Acceptable	
			codes are found on the Code Value	
			Table (CVT).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv, Record Creation and Maintenance Form

EXHIBIT: PWSI400-401

PURPOSE: This entry is used to add or update the Public Water System mailing name and address. Card Code 03

LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "03".	
10	39	Mailing	Enter the mailing name of the PWS.	A/N, LJ
		Name	This address is used when producing	
			mailing labels for samples in the	
			scheduling process of Water Quality	
			Compliance.	
40	69	Street	Enter the street name and number of	A/N,
			the mailing address of the PWS.	LJ

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update the Public Water System mailing address and phone number. Card Code 04	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "04".	
10	39	City	Enter the city name of the mailing address of the Public Water System (PWS).	A
40	41	State	Enter the alphabetic postal code of the state name mailing address of the PWS. Acceptable codes are found in the Code Value Table (CVT).	A
42	46	Zip Code	Enter the zip code of the PWS mailing address.	N
47	49	Area Code	Enter the area code of the telephone number to be used when telephone communication is necessary with the PWS.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update the Puble Water System mailing address and phone number. Card Code 04	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
50	56	Phone	Enter the telephone number to be	N
		No.	used when telephone communication	
			is necessary with the PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update a Public Water System's area location and characteristics. Card Code 05	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "05".	
10	24	Plant	Enter the name of the city or commun-	A/N,
		Area	ity serviced by the PWS.	LJ
		City		
		Name		
25	27	County	Enter the county code of the county	N
		Code	in which the service area of the PWS	
			is located. Acceptable codes are	
			found in the Code Value Table (CVT).	
28	30	Ind.	Enter the code identifying the Indian	N
		Reserv.	Reservation on which the PWS is loca-	
			ted. Acceptable codes are found in	
			the CVT.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv Record Creation and Maintenance Form

EXHIBIT: PUSI400-401

PURPOSE: This entry is used to add or update a Public Water Systems area location and characteristics. Card Code 05

LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
31	31	Residential	Enter a code identifying a residential service area characteristics applicable to the PWS.	A/N
32	32	Company Town	Enter a code identifying a company town service area characteristic applicable to the PWS.	A/N
33	33	Recreation	Enter a code identifying a recreation service area characteristic applicable to the PWS.	A/N
34	34	Mobile Homes	Enter a code identifying a mobile home service area characteristic applicable to the PWS.	A/N
35	35	Institution	Enter a code identifying an institution service area characteristic applicable to the PWS.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update a Public Water System's area location and characteristics. Card Code 05	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
36	36	School	Enter a code identifying a school	A/N
			service area characteristic	
			applicable to the PWS.	
37	37	Motel	Enter a code identifying a motel service	A/N
			area characteristic applicable to	
			the PWS.	
38	38	Restaurant	Enter a code identifying a rest-	A/N
			aurant service area characteristic	
			applicable to the PWS.	
39	39	Service	Enter a code identifying a service	A/N
		Station	station service area characteristic	
			applicable to the PWS.	
40	40	Campground	Enter a code identifying a campground	A/N
			service area characteristic applica-	
			ble to the PWS.	
41	41	Picnic	Enter a code identifying a picnic area	A/N
		Area	service area characteristic applicable	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update a Public Water System's area location and characteristics. Card Code 05	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			to the PWS.	
42	42	Lodge	Enter a code identifying a lodge	A/N
			service area characteristic applicable	
			to the PWS.	
43	43	Marina	Enter a code identifying a marina	A/N
			service area characteristic applicable	
			to the PWS.	
44	44	Ski	Enter a code identifying a ski resort	A/N
		Resort	service area characteristic applicable	
			to the PWS.	
45	45	Bathing	Enter a code identifying a bathing	A/N
			service area characteristic applicable	
			to the PWS.	
46	46	Visitor	Enter a code identifying a visitor	A/N
		Center	center service area characteristic	
			applicable to the PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update a Public Water System's area location and characteristics. Card Code 05	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
48	48	Airport	Enter a code identifying a airport	A/N
			service area characteristic applicable	
			to the PWS.	
49	49	Other	Enter a code identifying some other	A/N
			service area characteristic	
			applicable to the PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record and Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update information concerning the PWS's size and consecutive information. Card Code 06	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "06".	
10	16	# of Consecutive PWS's	Enter the number of consecutive water systems purchasing water from this PWS for resale which are regulated as consecutive water systems.	N, RJ, PRE/0
17	17	Interstate carriers	Enter "Y" (yes) or "N" (no) to indicate if the PWS supplies water to an Interstate Carrier.	A
18	18	Plant Type	Enter a "C" (community) or "N" (non-community) to indicate the type of PWS. Must be entered.	A
19	27	Population Served	Enter the total population obtaining water from the PWS. Must be entered.	N, RJ, PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update information concerning the PWS's size and consecutive information. Card Code 06	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
28	34	# of Service Connections	Enter the number of service connections to the PWS.	N, RJ, PRE/0
35	41	# of Meters	Enter the number of service connections equipped with water meters.	N, RJ, PRE/0
42	42	Consecutive Indicator	Enter a code indicating if the PWS is a consecutive water system and, if so, whether the PWS is required to monitor its water. 0=No, PWS is not consecutive 1: Yes, PWS is consecutive and not required to monitor water. 2: Yes, PWS is consecutive and is required to monitor water. 3: Yes, PWS is consecutive and is required to monitor Bacteriological. 4: Yes, PWS is consecutive and is required to monitor Inorganic. 5: Yes, PWS is consecutive and is required to monitor Bacteriological and Inorganic. * This field has no affect on Compliance Determination for total Trihalomethanes.	N

52 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update the PWS's production and storage capacities. Card Code 07.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "07".	
10	19	Plant	Enter the annual average of the	N, RJ,
		Average	daily production in gallons or	PRE/0
		Production	liters per day in the most recent	
			year for the PWS treatment plant.	
20	29	Plant	Enter the approved design capacity	N,RJ,
		Design	of the PWS treatment plant in	PRE/0
		Capacity	gallons or liters per day.	
30	39	Plant	Enter the capacity in gallons or liters	N,RJ,
		Emergency	per day that can be produced with	PRE/0
		Power	emergency power generation equipment	
		Capacity	controlled by the PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form

EXHIBIT: PWSI#00-401

PURPOSE: This entry is used to add or update the PWS's production and storage capacities. Card Code 07.

LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
40	49	Plant Storage Capacity	Enter the storage capacity in gallons or liters of treated water ready to enter the distribution system	N, RJ, PRE/0
50	59	Plant Maximum Production	Enter the maximum daily production capacity of the PWS in gallons or liters per day.	N, RJ, PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or updace information about plant start and deactivation dates, etc. Card Code 08	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "08".	
10	13	PWS	Enter the month and year that the PWS	N
		Begin	was begun or is to begin operations.	
		Date	Enter as "MMYY" where "MM" is the month	
			and "YY" is the year.	
14	19	Last	Enter the date on which the last	N
		Survey	sanitary survey was performed at the	
		Date	PWS plant. Enter as "MMDDYY" where	
			"MM" is month, "DD" is day, and "YY"	
			is year.	
20	21	Compliance	Enter the compliance cycle to be used	N
		Cycle	for bacteriological and turbidity	
			compliance determination for the PWS.	
			It must be in the range of 01 to 28	
			The value entered represents the day	
			of the month or quarter on which the	
			compliance cycle begins.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update information about plant start and deactivation dates, etc. Card Code 08	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
22	22	Activity	Enter the code used to indicate whether	A
		Indicator	or not the PWS is active.	
		(cat. #194)	I=Inactive	
			A=Active	
			If "I" (inactive) is entered, PWF-PLANT-	
			DEACTIVATION-DATE (cat. #195) and PWF-	
			PLANT-DEACTIVATION-REASON (cat. #196)	
			must also be present and valid.	
			To reactivate a PWS, enter A in this	
			field and reinitialize PWF-PLANT-	
			DEACTIVATION-DATE and PWF-PLANT-	
			DEACTIVATION-REASON by entering "$".	
23	28	Deactiva-	Enter the date when the PWF became	N
		tion Date	inactive. Enter as "MMDDYY" where "MM"	
		(cat. #195)	is month, "DD" is day, and "YY" is year.	
			This field must be blank unless PWF-	
			PLANT-ACTIVITY (cat. #194) is "I".	
			To reactivate a PWS, reinitialize this	
			field by entering "$".	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update information about plant start and deactivation dates, etc. Card Code 08	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
29	29	Deactiva-	Enter the code describing the reason	A/N
		tion Reason	for deactivating the PWS. Acceptable	
		(cat. #196)	codes are found in the Code Value Table	
			(CVT). This field must be blank unless	
			PWF-PLANT-ACTIVITY (cat. #194) is "I".	
			To reactivate a PWS, reinitialize this	
			field by entering "$".	
30	41	Manual File	Enter a reference to manual files used	A/N
		Ref.	for record keeping.	LJ
		(cat. #197)		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update information about the plants location, regulations, and bacteriological regulations. Card Code 09	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "09".	
10	11	State	Enter the postal code of the state,	A
		Postal	trust territory, or EPA region	
		Code	responsible for surveillance of the	
			PWS. Acceptable codes are found in	
			the Code Value Table (CVT).	
12	12	Regulate	Enter the code describing whether	A
			by state, federal, both, or neither reg-	
			ulations apply to the PWS.	
			S=Regulated by State Regulations only	
			F=Regulated by Federal Regulations only	
			B=Regulated by both State and Federal	
			Regulations	
			N=Regulated by neither	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update information about the plants location, regulations, and bacteriological regulations. Card Code 09	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
13	14	States	Enter a code identifying the adminis-	A/N
		Region	trative region of the state which is	
			responsible for monitoring the PWS.	
			Acceptable codes are found in the	
			Code Value Table (CVT).	
15	16	States	Enter a code identifying the adminis-	A/N
		District	trative district of the state which is	
			responsible for monitoring the PWS.	
			Acceptable codes are found in the Code	
			Value Table (CVT).	
17	17	Bacti	Enter a code indicating whether sample	A
		Flag	input data will be reported on a list or	
			summary input form.	
			L=List of individual samples reported	
			S=Summary of samples reported	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
3/31/80

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update information about the plants location, regulations, and bacteriological regulations.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION Card Code 09	ADDITIONAL INSTRUCTIONS
18	18	Monthly Monitor	Enter "Y" (yes) indicating a PWS is required to determine compliance for bactiological contamination on a monthly basis "N" (no) indicating a 3 month basis (quarterly). Applies only to PWS's required to take 3 or less bacti samples monthly - those with a population under 3,300. Refer to Section 141.14 of the regulations.	A
19	21	Number of Samples	Enter the minimum number of samples per quarter that a small community PWS must analyze for bacteriological contamination of ground water in leiu monthly monitoring or a non-community water supply must take in a specific time period in lieu of the default number in the Regulations file. If a PWS is consecutive (consecutive indicator 2, 3, or 5) enter the number of samples to be taken for determining compliance.	N, RJ, PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creations and Maintenance Form

EXHIBIT: PWSI400-401

PURPOSE: This entry is used to add or update information about the plants location, regulations, and bacteriological regulations.

LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Card Code 09	
22	25	NCOM	Enter the season beginning date used	N
		Season	for bacteriological monitoring for	
		Begin	a non-community PWS which operates	
			seasonally. Enter as "MMDD" where	
			"MM" is month and "DD" is day. If	
			PWF-PLANT-TYPE is "C", this field	
			must be zero.	
26	29	NCOM	Enter the season ending date used for	N
		Season	bacteriological monitoring for a non-	
		End	community PWS which operates season-	
			ally. Enter as "MMDD" where "MM" is	
			month and "DD" is day. If PWF-PLANT-	
			TYPE is "C", this field must be zero.	
30	30	Daily	Enter the number of check samples	N
		Checks	which must be taken each day if the	
			State requires more than one per	
			day for this PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update information about the plants location, regulations, and bacteriological regulations.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	Card Code 09 DESCRIPTION	ADDITIONAL INSTRUCTIONS
31	33	NCOM	Enter the number of days between sam-	N, RJ
		Sample	ples for bacteriological analysis in	PRE/0
		Freq.	lieu of quarterly or monthly sampling.	
			If entered, PWF-PLANT-TYPE, (catalogue	
			number 182) must be "N" and PWF-STATE-	
			MONTHLY-MONITORING (catalogue number	
			203) must be "N".	
34	34	MCL Halt	Enter the minimum number of consecu-	N
		Ck.	tive negative check samples required	
		Sample	to halt bacteriological check sampling	
			for the PWS.	
35	36	%	Enter the percent of samples for	N, RJ,
		Chlorine	bacteriological analysis that may	PRE/0
			be substituted by chlorine residual	
			sampling and analysis.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update information about the plants location, regulations and bacteriological regulations.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precedes Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Card Code 09	
37	37	Turbidity	Enter a code indicating whether sample	A
		Flag	input data will be reported on a list	
			or summary input form.	
			L=list of individual samples reported	
			S=summary of samples reported	
38	39	Turbidity	Enter the number of turbidity units	N, RJ,
		Units	allowed as a maximum contaminant	PRE/0
			level for the monthly average of	
			turbidity samples for the PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.119 PWSI.400-401
PURPOSE: This entry is used to add or update information about Trihalomethane monitoring. Card Code 10.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "10".	
10	10	Contaminant Occurance	Preprinted on the form as "1". This field no longer has any real function, but must continue to be present.	N
11	14	Number of Trihalomethane Samples Data element 738	For PWSs which are monitoring for Trihalomethanes, enter the four-digit numeric value representing the total number of THM samples to be taken by the PWS in the sampling period if the number to be taken is other than 4 samples per plant per quarter as specified in the Regulations. If card column 18 is entered as quarterly (Q), this value must be at least 4 times the value entered in card columns 15-17. If the card column 18 is entered as yearly (Y), the value entered here must be at least equal to the value entered in card columns 15-17. If no value is entered, default is zeros.	N, RJ PRE/0
15	17	Number of Plants Data Element	For PWSs which are monitoring for Trihalomethanes, enter the three-digit numeric value representing the number of water treatment plants	N, RJ PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
01/15/82

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.119 PWSI.400-401
PURPOSE: This entry is used to add or update information about Trihalomethane monitoring. Card Code 10.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		739	operated by the PWS.	
			Must be entered for every PWS which is required	
			to perform Trihalomethane monitoring as specifi-	
			ed in the Regulations. If no value entered, de-	
			fault is zeros.	
18	18	Sampling	For PWSs which are monitoring for Trihalome-	A/N
		Frequency	thanes, enter the one-digit value which specif-	
		Data Element	ies whether the sampling frequency for Trihal-	
		740	omethanes for this PWS is quarterly (enter "Q"),	
			yearly (enter "Y") or reduced (enter "R").	
			Yearly sampling is permitted only for	
			PWSs which use no surface sources and	
			which comply with other requirements as	
			specified in the Regulations. See DED	
			cat. #740 for more information.	
			If a value is entered in the card Columns	
			15-17, then a value must also be entered	
			here. If no value is entered, default	
			to quarterly ("Q). If no value is entered	
			in the number of plants field, this	
			field defaults to blank.	
19	80		Blank	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update organic chemical, inorganic chemical, and radiological monitoring information. Card Code 11.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "11".	
10	13	Begin Period	Enter the beginning date of a seasonal period for which monitoring for organic chemicals/pesticides is to be performed for the PWS. Enter as "MMDD" where "MM" is month and "DD" is day.	N
14	17	End Period	Enter the ending date of a seasonal period for which monitoring for organic chemicals/pesticides is to be performed for the PWS. Enter as "MMDD" where "MM" is month and "DD" is day.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update organic chemical, inorganic chemical, and radiological monitoring information.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
18	18	Monitor	Enter the code indicating whether the	N
		Ground	PWS is to monitor for organic contami-	
		Water	nants, gross Beta particle contaminants	
			or both if it is supplied by ground	
			water sources.	
			0=none	
			1=organic monitoring only	
			2=Gross Beta monitoring only	
			3=both organic and Gross Beta	
			monitoring	
19	21	Average	Enter the annual average of daily	N
		Air	maximum air temperature of the PWS in	
		Temp	fahrenheit or celsius degrees. If	
			PWF-STATE-ENGLISH-METRIC-SYSTEM	
			(catalogue number 232) is "E", then	
			this air temperature must be in the	
			range 32.5 to 90.5 degrees F. If PWF-	
			STATE-ENGLISH-METRIC-SYSTEM is "M"	
			then the air temperature must be in	
			the range 11.0 to 50.0 degrees C.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/31/81

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update organic chemical, inorganic chemical, and radiological monitoring information. Card Code 11	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
22	25	NCOM Nitrate Freq.	Enter the number of days between samples indicating the monitoring frequency for nitrate to be used by a non-community PWS after completion of initial analysis. If entered PWF-PLANT-TYPE (catalogue number 182) must be "N".	N, RJ, PRE/0
26	26	Radioactive Flag	Enter the code to indicate whether the PWS is to be monitored continuously for radioactive contaminants. Acceptable codes are found in the Data Element Dictionary (DED), catalogue number 219.	N
27	27	Radioactive Monitoring	Do not enter. This field must be blank. This data element (catalogue number 220) has been eliminated from the MSIS. In the 7/31/81 design for the Radionuclide Regulations it was found not to be necessary for compliance processing.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/31/81

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update organic chemcial, inorganic chemical, and radiological monitoring information. Card Code 11	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
28	29	Beta Freq. Mths	Enter the number of months in the compliance sampling period for this Public Water System. This indicates the minimum frequency required for monitoring man-made radionuclides for the PWS after initial analysis. Further edit criteria are found in the Data Element Dictionary (DED), catalogue number 221.	N,RJ, PRE/0
30	30	Nuclear Facitlity	Enter 'Y' (yes) or 'N' (no) indicating whether or not the PWS is contaminated by effluents from a nuclear facility.	A
31	31	First Nuclear Fac Type	Enter a code indicating the type of nuclear facility whose radioactive effluents are contaminating the PWS. Acceptable codes are found on the Code Value Table (CVT).	
32	32	Second Nuclear Fac Type	(Same as "First Nuclear Fac Type" above).	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401/131
PURPOSE: This entry is used to add or update information about the monitoring strategy for a non-community PWS. Card Code 12	LEGEND: A=Alpha N-Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "12".	
10	13	Contaminant ID #571	Preprinted on the form as '0100', '1040', '3000' or '4264'.	
14	17	Date of Plan #566	Enter the date of the non-community Strategy for the PWS and contaminant. Enter as MMYY. Does not apply to Iodine-131.	N
18	20	Sampling Frequency #567/572	Enter the monitoring frequency in months for Nitrate or Iodine-131, in days for Coliform. Does not apply to turbidity as frequency is assumed to be monthly.	N,JR
21	23	Number of Samples #568	Enter the number of samples to be submitted during the monitoring period indicated above. Does not apply to Iodine-131.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401/131
PURPOSE: This entry is used to add or update information about the monitoring strategy for a non-community PWS. Card Code 12	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
24	27	Start Date	Enter the start date of the special	
		#569	monitoring for the PWS and contaminant.	
			Enter as MMYY. Does not apply to	
			Iodine-131.	
28	31	End Date	Enter the end date of the special	
		#570	monitoring for the PWS and contaminant.	
			Enter as MMYY. Does not apply to	
			Iodine-131.	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/31/81

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update radiological monitoring and operations report requirements. Card Code 13	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "13".	
10	11	Monitor Gross Alpha	Enter the number of months in a compliance sampling period indicating a reduced monitoring frequency for gross alpha particle activity and combined Radium activity for the PWS after initial analysis.	N, RJ, PRE/0
12	13	Monitor Radium Mths	Do not enter. This field must be blank. This data element (catalogue number 227) has been eliminated from the MSIS. In the 7/31/81 design for the Radionuclide Regulations it was found not to be necessary for compliance processing.	N, RJ, PRE/0
14	14	No. of Samples Per Year	Enter the number of consecutive quarterly samples to be taken per sampling period for gross alpha and radium analysis when reduced sampling is applicable	N

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/31/81

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-401
PURPOSE: This entry is used to add or update radiological monitoring and operations report requirements. Card Code 13	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			for the PWS.	
15	15	Report	Enter 'Y' (yes) or 'N' (no) indicating	A
		Required	whether or not the PWS must submit a	
			monthly operations report.	
16	19	Last	Enter the date during which the last	N
		Report	monthly operations report was submitted.	
		Date	Enter as 'MMYY' where 'MM' is month and	
			'YY' is year.	
20	20	English	Enter 'E' (English System) or 'M'	A
		Metric	(Metric System) indicating whether the	
			English (gallons/Fahrenheit) or metric	
			(liters/Celsius) system of measurement	
			is used to record all plant capacities	
			and air temperatures by the PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI200-401
PURPOSE: This entry is used to add or update PWS laboratory data. Card Code 14	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "14".	
10	10	Bacterio-logical	Preprinted on the form as "1 ".	
11	15	Lab ID	Enter the five digit laboratory identification number of the laboratory performing a major percentage of bacteriological analysis for the PWS.	N
16	16	Captive Flag	Enter "Y" (yes) or "N" (no) indicating whether or not the laboratory belongs to the PWS.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSL400-401
PURPOSE: This entry is used to add or update PWS laboratory date. Card Code 14	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Same as above.	
8	9	Card Code	Same as above.	
10	10	Inorganic	Preprinted on the form as "2".	
11	15	Lab ID	Enter the five digit laboratory ID of the laboratory performing a major percentage of inorganic chemical analysis for the PWS.	N
16	16	Captive Flag	Same as above.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update PWS laboratory data. Card Code 14	LEGEND A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Same as above.	
8	9	Card Code	Same as above.	
10	10	Organic	Preprinted on the form as "3 ".	
11	15	Lab ID	Enter the five digit laboratory ID of the laboratory performing a major percentage of organic chemical analyses for the PWS.	N
16	16	Captive Flag	Same as above.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update PWS laboratory date. Card Code 14	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Same as above.	
8	9	Card Code	Same as above.	
10	10	Radio-logical	Preprinted on the form as "4"	
11	15	Lab ID	Enter the five digit laboratory ID of the laboratory performing a major percentage of radioactive analyses for the PWS.	N
16	16	Captive Flag	Same as above.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update PWS laboratory data. Card Code 14	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Same as above.	
8	9	Card Code	Same as above.	
10	10	Turbidity	Preprinted on the form as "5 ".	
11	15	Lab ID	Enter the five digit laboratory ID	N
			of the laboratory performing a	
			major percentage of turbidity analyses	
			for the PWS.	
16	16	Captive	Same as above.	A
		Flag		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/30/80

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update variance, exemption, and enforcement action information. Card Code 15	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Duplicated from Card Code "00".	
8	9	Card Code	Preprinted on the form as "15."	
10	10	Occurrence	Preprinted on the forms as "1" to "4."	
11	14	Contaminant ID	Enter the code of a contaminant specified as a condition of a variance, exemption, or enforcement action for the PWS. Acceptable codes are found in the Code Value Table (CVT). The first digit must be "1", "2", or "4".	N
15	19	Modified MCL	Enter the numeric portion of a modified maximum contaminant level (MCL) which has been granted to the PWS as a condition of a variance, exemption, or enforcement action for the above contaminant.	N, RJ, PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update variance, exemption, and enforcement action information. Card Code 15	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			If entered, PWF-VAEX-CONTAMINANT-ID	
			must be present. Example:	
			"123.45", enter "12345" with no	
			decimal.	
20	20	Number of	Enter the number of decimal places	N
		Decimal	for the modified maximum contaminant	
		Units	level (MCL) which has been granted to the	
			PWS on a condition of a variance, ex-	
			emption, or enforcement action for the	
			above contaminant. If PWF-VAEX-	
			CONTAMINANT-ID and PWF-VAEX-MODIFIED-	
			MCL (catalogue numbers 238 and 239)	
			are present this field must be entered.	
			Example: If the modified MCL is	
			"123.45," enter "2.".	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/30/80

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update variance, exemption, and enforcement action information. Card Code 15	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
21	23	Alternate	Enter the number of months between	N, RJ,
		Monitor	samples indicating an alternate	PRE/0
		Freq	monitoring frequency to be used for	
			monitoring the above contaminant as	
			a condition to a variance, exemption,	
			or enforcement action granted to the	
			PWS. If entered, PWF-VAEX-CONTAMINANT-	
			ID (catalogue number 238) must be	
			present.	
			The above information (card code 15)	
			occurs four times on the form which	
			is the maximum number allowed on the	
			file for a PWS.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400-.401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Duplicate from Card Code "00".	
8	9	Card Code	Preprinted on the form as "16".	
10	11	Occurrence	Preprinted on the form as "01" to "15".	
12	26	Source Name	Enter the name of the water source. To	A/N
			delete a source, see below. To add a	
			source, use next available occurrence	
			line.	
27	27	Source Code	Enter a code identifying the type of	A/N
			water source.	
			S = Surface Water	
			G = Ground Water	
			P = Purchased Surface Water	
			W = Purchased Ground Water	
			If any water source has a code of "S"	
			or "P", the PWS is classified as using	
			surface water.	
			Must be entered when a source is added.	
			To delete a source (the entire line)	
			enter a "Z" for source code along with	
			the previously entered source name in	
			the proper occurrence line. Refer to the	
			Comprehensive Report or this form when	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.400 - .401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			used as a turnaround document for up-to-	
			date occurrence numbers.	
			Deletion of a source or sources will	
			change occurrence numbers for all ~~sub-~~	
			sequent sources and entry points in sub-	
			sequent runs.	
28	29	Number of	Enter the number of wells within a	N, RJ,
		Wells	given ground water source. If entered	PRE/0
			PWF-PLANT-SOURCE-CODE (catalogue number	
			244) must be "G" or "W". If a number of	
			wells are treated in one treatment plant,	
			they are considered as one water source.	
30	30	Avail.	Enter a code indicating the availability	A/N
			(primary, emergency, etc.) of a water	
			source. Acceptable codes are found in	
			the Code Value Table (CVT).	
31	34	River	Enter a code indicating a river basin	N
		Basin	from which water is obtained by the PWS.	
		Number	Acceptable codes are found in the Code	
			Value Table (CVT). If entered, PWF-	
			PLANT-SOURCE-CODE should be "S" or "P".	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
35	41	Latitude:	Enter the latitude of the water source	N, RJ,
		Degrees,	in degrees, minutes, and seconds.	PRE/0
		Minutes,	Enter as "DDDMMSS" where "DDD" is de-	(each
		Seconds	grees, "MM" is minutes, and "SS" is	field)
			seconds. If entered, and PWF-PLANT-	
			AREA-COUNTY-CODE (catalogue number 159)	
			is present, the value must be within	
			the range defined by the minimum and	
			maximum latitudes acceptable for the	
			county. The acceptable minimum and	
			maximum latitudes are found in the Code	
			Value Table (CVT).	
42	48	Longitude	Enter the longitude of the water	N, RJ,
		Degrees,	source in degrees, minutes, and	PRE/0
		Minutes,	seconds. Enter as "DDDMMSS"	(each
		Seconds	where "DDD" is degrees, "MM" is	field)
			minutes, and "SS" is seconds.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			If entered, and PWF-PLANT-AREA-	
			COUNTY-CODE (catalogue number 159) is	
			present, the value must be within	
			the range designed by the minimum and	
			maximum longitude acceptable for the	
			county. The acceptable minimum and	
			maximum longitudes are found in the	
			Code Value Table (CVT).	
49	55	PWS-ID	Enter the PWS-ID of the PWS selling	N
		of Seller	water to this PWS. If PWF-PLANT-	
		(Purchased	SOURCE-CODE (catalogue number 244) is	
		water	"P" or "W", must be entered. If more	
		only)	than one PWS-ID applies, the PWS-ID	
			of the largest PWS is used.	
56	56	Aeration	Enter a code indicating that a given	A/N
			aeration technique has been applied	
			to treat the water from this source.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI 400-401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	57	Prechlor-	Enter a code indicating that a given	A/N
		ination	prechlorination technique has been	
			applied to treat the water from this	
			source.	
58	58	Coagulation	Enter a code indicating that a given	A/N
			coagulation technique has been applied	
			to treat the water from this source.	
59	59	Sedimenta-	Enter a code indicating that a given	A/N
		tion	sedimentation technique has been	
			applied to treat the water from this	
			source.	
60	60	Filtration	Enter a code indicating that a given	A/N
			filtration technique has been applied	
			to treat the water from this source.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
61	61	Corrosion Cntl	Enter a code indicating that a given corrosion control technique has been applied to treat the water from this source.	A/N
62	62	Softening	Enter a code indicating that a given softening technique has been applied to treat the water from this source.	A/N
63	63	Taste Odor	Enter a code indicating that a given taste and odor removing technique has been applied to treat the water from this source.	A/N
64	64	Iron Removal	Enter a code indicating that a given iron removal technique has been applied to treat the water from this source.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI#00-401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
65	65	Ammoniation	Enter a code indicating that a given Ammoniation technique has been applied to treat the water from this source.	A/N
66	66	Fluoride Adjust	Enter a code indicating that a given fluoride adjustment technique has been applied to treat the water from this source.	A/N
67	67	Disinfection	Enter a code indicating that a given disinfection technique has been applied to treat the water from this source.	A/N
68	68	Other Treatments	Enter a code indicating that a given technique has been applied to treat the water from this source.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI400-401
PURPOSE: This entry is used to add or update information about the sources of water of a PWS and its treatment. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Up to fifteen source names and associ-	
			ated information can be coded as above	
			on a form. A maximum of fifteen are	
			allowed on the file for a PWS.	
			A PWS must have at least one source.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.118/ PWSI.400 - .401
PURPOSE: This entry is used to add or update information about entry points utilized by a given PWS. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Duplicate from Card Code "00".	
8	9	Card Code	Preprinted on the form as "16".	
10	11	Occurrence	Preprinted on the form as "01" thru "15".	
12	26	Entry	Enter the name of the entry point.	A/N
		Point	To delete an entry point, see below. To	
		Name	add an entry point, use the next avail-	
			able occurrence line.	
27	27	Entry	Enter a code identifying the type of	A
		Point	entry point. This code is used in	
		Code	determining turbidity sampling require-	
			ments for this entry point. Acceptable	
			codes are:	
			A = Surface Entry Point	
			B = Emergency Surface Entry Point	
			C = Ground Entry Point	
			D = Emergency Ground Entry Point	
			Must be entered when an entry point is	
			added.	
			To delete an entry point (the entire	
			line) enter a "Z" for entry point code	
			along with the previously entered entry	
			point name in the proper occurrence line.	

92.1 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation And Maintenance Form	EXHIBIT: PWSI.118/ PWSI.400 - 401.
PURPOSE: This entry is used to add or update information about entry points utilized by a given PWS. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Refer to the Comprehensive Report or to	
			this form when used as a turnaround docu-	
			ment for up-to-date occurrence numbers.	
			Deletion of an entry point or entry	
			points will change occurrence numbers	
			for all subsequent sources and entry	
			points in subsequent runs.	
28	28	Entry	Enter a single alphabetic or numeric	A/N
		Point I.D.	character which is a unique identifier	
			for the specified entry point and allows	
			turbidity samples to be associated with	
			the entry point from which they were	
			drawn. This identifier is the left-most	
			character of the 3-digit Sample Identi-	
			fication Code for individual Turbidity	
			samples (see exhibit WAQC.401 - the	
			other two digits being reserved to tie	
			check samples with their associated regu-	
			lar sample) or is used by itself for	
			summarized sample data (see exhibit	
			WAQC.108).	

92.2 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.118/ PWSI.400 - .401
PURPOSE: This entry is used to add or update information about entry points utilized by a given PWS. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
29	29	Turbidity Flag	Enter a value indicating whether the scheduling module will produce list or summary input forms for this entry point. Values are: blank = default-schedule according to the value contained in PWF-STATE-TURBIDITY-FLAG L = schedule using individual sample form S = schedule using summary sample form	A
30	31	Turbidity Unit	Enter the number of turbidity units allowed for the monthly average MCL for this PWS at this entry point. One decimal place is implied. If blank, the value from PWF-STATE-TURBIDITY-UNIT or the Regulations File is used.	N,RJ, PRE/0
32	34	Variance/ Exemption Modified Monthly MCL	Enter the number of turbidity units allowed for the monthly average MCL for this PWS at this entry point as a condition of a Variance, Exemption or	N,RJ, PRE/0

92.3 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form	EXHIBIT: PWSI.118/ PWSI.400 - .401
PURPOSE: This entry is used to add or update information about entry points utilized by a given PWS. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Enforcement Action. A single decimal	
			place is implied.	
35	41	Latitude:	Enter the latitude of the water source	N,RJ,
		Degrees,	in degrees, minutes, and seconds. Enter	PRE/0
		Minutes,	as "DDDMMSS" where "DDD" is degrees,	(each
		Seconds	"MM" is minutes, and "SS" is seconds.	field)
			If entered, and PWF-PLANT-AREA-COUNTY-	
			CODE (catalogue number 159) is present,	
			the value must be within the range	
			defined by the minimum and maximum lati-	
			tudes acceptable for the county. The	
			acceptable minimum and maximum latitudes	
			are found in the Code Value Table (CVT).	
42	48	Longitude:	Enter the longitude of the water source	N,RJ,
		Degrees,	in degrees, minutes, and seconds. Enter	PRE/0
		Minutes,	as "DDDMMSS" where "DDD" is degrees,	(each
		Seconds	"MM" is minutes, and "SS" is seconds.	field)
			If entered and PWF-PLANT-AREA-COUNTY-	
			CODE (catalogue number 159) is present,	
			the value must be within the range	
			defined by the minimum and maximum longi-	
			tudes acceptable for the county. The	

92.4 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Public Water System Inv. Record Creation and Maintenance Form.	EXHIBIT: PWSI.118/ PWSI.400 - .401
PURPOSE: This entry is used to add or update information about entry points utilized by a given PWS. Card Code 16	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			acceptable minimum and maximum longitudes	
			are found in the Code Value Table (CVT).	
49	51	Variance/	Enter the number of turbidity units	N,RJ,
		Exemption	allowed for the consecutive daily aver-	PRE/0
		Modified	age MCL for this PWS at this entry point	
		Daily Avg.	as a condition of a Variance, Exemption	
		MCL	or Enforcement Action. A single decimal	
			place is implied.	
52	54	Alternate	Enter the number of turbidity samples	
		Monitoring	required by a PWS entry point during	
		Frequency	a compliance period. This field will	
			only be used for permanent sources	
			during turbidity compliance processing.	
			Must be greater than 014.	
		Note:	Up to fourteen entry points may be coded	
			as above on a form. No entry points	
			need be entered. If none are present on	
			a Public Water File (PWF) record, one	
			entry point will be assumed for	
			turbidity compliance determination.	

92.5 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			(This page intentionally left blank.)	

92.6 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: REGS.100
PURPOSE: Processing Options Card for Regulations File Creation Module REGS010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			identification as assigned by computer	
			operations or scheduling.	
1	4	Card ID	Represents the code for the Processing	A
			Options record. Preprinted on the	
			form as 'PROC'.	
5	10	Date	Enter the current date. Enter as	N
			MMDDYY where MM is month, DD is day,	
			and YY is year. Must be entered.	
11	11	Standard	Enter 'Y' or 'N' indicating whether	A
		Error	or not to create a special output	
		Processing	file of error records.	
		Options		
12	12	Standard	Enter 'Y' or 'N' indicating print only	A
		Error	data element fields which were in	
		Processing	error - not the entire record.	
		Options		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant	Enter the numeric identification code	N
		ID	of the chemical contaminant.	
			-- Must be entered as valid code from	
			Code Value Table (CVT).	
			-- First digit must be one of the	
			following:	
			1. (designates Organic Chemicals)	
			2. (designates Inorganic	
			Chemicals)	
			-- The completed code must fill all	
			four positions.	
5	6	Regulation/	Enter the regulation type (Federal	A
		Level	or State) and the regulation level	
			(Primary or Secondary) as follows:	
			FP (Federal/Primary)	
			FS (Federal/Secondary)	
			SP (State/Primary)	
			SS (State/Secondary)	
			-- Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
7	17	Chemical	Enter the name of the chemical con-	A, LJ
		Name	taminant.	
			-- If this field is left blank, the	
			contaminant name will be generated	
			internally from the Code Value Table (CVT)	
			Based on the corresponding Contaminant	
			ID given above (pos. 1-4).	
18	18	Reason For	Enter the code from the Code Value	A
		Monitoring	Table which corresponds to the reason	
			for monitoring the chemical conta-	
			minant.	
			-- Must be valid code.	
19	24	MCL Units	Enter the units the chemical conta-	A, LJ
			minant will be measuredin for Maximum	
			Contaminant Level information.	
			-- Example: mg/l represents	
			milligrams per liter.	
			-- Federal default applies if field	
			is blank. (141.11 - 141.12)	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
12/31/81

SOURCE DOCUMENT NAME:	EXHIBIT:
Chemical Contaminant Input Form	REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
25	30	MCL	Enter the Maximum Contaminant Level	N, RJ,
			for the specified chemical as	PRE/0
			defined in the Regulations.	
			-- Federal default applies if field	
			is blank. (141.11 - 141.12)	
			-- Expressed in units as defined in	
			MCL Units (pos. 19 - 24).	
31	31	MCL	Enter the number of fractional	N
		Decimals	decimal places in MCL (pos. 25 - 30).	
			-- Example: if the MCL is entered	
			as 000002, a decimal value of 2	
			would indicate an MCL value of	
			0000.02.	
			-- Federal default applies if field	
			is blank. (141.11 - 141.12)	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Chemical Contaminant Input Form	REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
32	36	Reasonable	Enter the minimum acceptable value	N, RJ,
		Bounds -	to define reasonable bounds for	PRE/0
		Lower	sampling measurement.	
			-- Expressed in units as defined in	
			MCL Units (pos. 19 - 24).	
			-- Federal default applies if field	
			is blank (corresponding FP record	
			value)	
37	37	Decimals	Enter the number of fractional	N
			decimal places in Lower Reasonable	
			Bounds above (pos. 32 - 36)	
			-- Example: if Lower Reasonable	
			Bounds is entered as 00001, a	
			decimal value of 3 would indicate	
			a Lower Reasonable Bounds value of	
			00.001.	
			-- Federal default applies if field	
			is blank (corresponding FP record	
			value).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Chemical Contaminant Input Form	REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
38	42	Reasonable	Enter the maximum acceptable value to	N, RJ,
		Bounds -	determine reasonable bounds for	PRE/0
		Upper	sampling measurement.	
			-- Expressed in units defined in MCL	
			Units (pos. 19 - 24)	
			-- Federal default applies if field	
			is blank (corresponding FP record	
			value).	
43	43	Decimals	Enter the number of fractional decimal	N
			places in Upper Reasonable Bounds	
			(pos. 38 - 42).	
			-- Example: if Upper Reasonable	
			Bounds is entered as 00150, a	
			decimal value of 3 would indicate	
			an Upper Reasonable Bounds value	
			of 00.150.	
			-- Federal default applies if field is	
			blank (corresponding FP record	
			value).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
3/28/79

SOURCE DOCUMENT NAME:	EXHIBIT:
Chemical Contaminant Input Form	REGS.101
PURPOSE: Establishes standard regulations for chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
44	44	Number of Check Samples	Enter the number of additional check samples required if the MCL for the chemical contaminant is violated with regular sampling. -- Federal default applies if field is left blank. (141.24(b))	N
45	45	Seasonal Sampling	Enter code indicating if seasonal sampling is required for the chemical contaminant: Y (Yes) N (No) -- Applicable to Organic Chemicals only. -- Federal default applies if field is blank (141.24(a)(1))	A
46	46	Special Computation	Enter code indicating if this contaminant is to be monitored for consecutive Public Water Systems in the State: Y (Yes) All in the State will monitor N (No) None in the State will monitor	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			blank - optional for each consecu-	
			tive Public Water System in	
			the State.	
			-- Applicable to Inorganic Chemicals	
			only.	
47	48	Maximum	Enter the maximum amount of time	N, RJ,
		Time to	allowed for check sampling to be	PRE/0
		Initiate	initiated if the MCL is violated.	
			-- Express in hours.	
			-- Applicable to Nitrate only.	
			-- Federal default applies if field	
			is blank (141.23(d)).	
49	50	Period/	Enter the amount of time within which	N, RJ,
		Check	an initial check sample must be	PRE/0
		Samples	initiated if the regular sample is in	
		Made	violation of the specified MCL.	
			-- Express in days.	
			-- Federal default applies if field	
			is blank (141.23(b) - 141.24(b)).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
51	56	Community	Enter the date on which applicable	N, RJ,
		and THM	regulations become effective for	PRE/0
		Effective	Community PWS or for PWSs with popula-	
		Date	tions of 75,000 or more for THMs.	
			-- Expressed as month/day/year.	
			-- Federal default applies if field is	
			left blank. (141.23(a)(1) -	
			141.24(a)(1) and 141.6 for THMs)	
57	57	Years to	Enter the number of years within which	N
		First	the first water sample must be taken	
		Sample	from ground water sources to be	
		- Ground	analyzed for the chemical contaminant.	
			-- Applicable for community PWSs and	
			PWSs having a population greater	
			than 75,000 for THMs.	
			-- Federal default applies to only in-	
			organic chemicals if the field is	
			blank (141.23(a)(2) & 141.6 for THMs).	
58	61	Normal	Enter the normal sampling frequency of	N, RJ,
		Sampling	ground water sources for the	PRE/0
		Frequency	chemical contaminant.	
			-- Expressed in days.	

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DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Applicable for community PWSs and	
			PWSs with a population greater than	
			75,000 for THMs.	
			-- Federal default applies to only in-	
			organic chemicals if the field is	
			blank (141.23(a)(2) & 141.6 for THMs).	
62	65	Minimum	Enter minimum required sampling fre-	N, RJ,
		Sampling	quency for ground water sources when the	PRE/0
		Frequency	chemical contaminant is in violation of	
		if MCL	the MCL.	
		Violated	-- Expressed in days.	
			-- Applicable for Community PWSs and	
			PWSs having a population greater than	
			75,000 for THMs.	
			-- Must be entered for State Primary	
			(No Federal default value).	
66	67	Minimum	Enter the minimum number of successive	N, RJ,
		Number	negative samples required from ground	PRE/0
		Negative	water sources when the MCL for the chem-	
		Samples	ical contaminant is violated.	
			-- Applicable for Community PWSs and	
			for PWSs with a population greater	

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DATA ENTRY INSTRUCTIONS

Binder 20
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SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			than 75,000 for THMs.	
			-- Federal default applies to only in-	
			organic chemicals if the field is	
			blank. (141.23(b))	
68	68	Years to	Enter the number of years during which	N
		First	the first water sample must be taken	
		Sample -	from surface water sources to be ana-	
		Surface	lyzed for the chemical contaminant.	
			-- Applicable for Community PWSs and	
			for PWSs with a population greater	
			than 75,000 for THMs.	
			-- Federal default applies if field is	
			blank (141.23(a)(1) - 141.24(a)(1)	
			and 141.6 for THMs).	
69	72	Normal	Enter the normal sampling frequency of	N, RJ,
		Sampling	surface water sources for the chemical	PRE/0
		Frequency	contaminant.	
			-- Expressed in days.	
			-- Applicable to community PWSs and PWSs	
			with a population greater than 75,000	
			for THMs.	
73	76	Minimum	Enter the minimum required sampling	N, RJ,

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Binder 20
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SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Sampling	frequency for surface water sources when	PRE/0
		Frequency	the chemical contaminant is in violation	
		if MCL	of the MCL.	
		Violation	-- Expressed in days.	
			-- Applicable for Community PWSs and for	
			PWSs with a population greater than	
			75,000 for THMs.	
			-- Must be entered for State Primary	
			(No Federal default value).	
77	78	Minimum	Enter the minimum number of successive	N, RJ,
		Number	negative samples required from surface	PRE/0
		Negative	water sources when the MCL for the	
		Samples	chemical contaminant is violated.	
			-- Applicable for Community PWSs and for	
			PWSs with a population greater than	
			75,000 for THMs.	
			-- Federal default applies if the field	
			is blank. (141.23(b) - 141.24(b)).	
79	80	Card Code	The card code is pre-printed on the form.	
			-- Must be "C1" for Community PWS chemical con-	
			taminant regulations and for THM regulations	
			for PWSs with a population greater than 75,000.	

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DATA ENTRY INSTRUCTIONS

Binder 20
[illegible]8/81

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= LJ=Left Justify Precede RJ=Right Justify Zero

		INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	6	Duplicate	This section is applicable to the same chemical Contaminant ID and Regulation/ Level data in order to identify this Non-Community record as corresponding to the chemical regulations Community record or the THM regulation for PWSs in 10,000 thru 74,999 population range. -- Must be entered if non-community PWS is required to monitor for specific chemical contaminant or if the PWS has a population in the 10,000 thru 74,999 range and must monitor for THMs. -- Federal default applies only to Nitrate if field is blank (141.23(a)(3)).	N
51	56	Effective Date Non-Community and THMs	Enter the date on which applicable regulations become effective for non-community PWSs and THMs for PWSs having populations in the 10,000 thru 74,999 range. --Expressed as month/day/year. -- Federal default applies only to Nitrate if this field is blank. (141.23(a)(3))	N,PRE/0

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Binder 20
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SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	57	Years to	Enter the number of years within which	N
		First	the first water sample must be taken	
		Sample -	from ground water sources to be ana-	
		Ground	lyzed for the chemical contaminant.	
			-- Applicable for non-community PWSs	
			and PWSs having populations in the	
			10,000 thru 74,999 range for THMs.	
			-- Federal default applies only to	
			Nitrate if field is blank. (141.23(a)(3))	
58	61	Normal	Enter the normal sampling frequency of	N, RJ,
		Sampling	ground water sources for the chemical	PRE/0
		Frequency	contaminant.	
			-- Expressed in days.	
			-- Applicable for non-community PWSs	
			and for THMs for PWSs having popula-	
			tion in the 10,000 thru 74,999 range.	
			-- Federal default applies only to	
			Nitrate if field is blank.	
			(141.23(a)(3))	
62	65	Minimum	Enter the minimum required sampling	N, RJ,
		Sampling	frequency for ground water sources	PRE/0
		Frequency	when the chemical contaminant is in	

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Binder 20
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SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		if MCL	violation of the MCL.	
		Violated	-- Expressed in days.	
			-- Applicable for non-community PWSs	
			and for THMs for PWSs having popula-	
			tions in the 10,000 thru 74,999 range.	
			-- Must be entered for State Primary	
			(No Federal default value).	
66	67	Minimum	Enter the minimum number of successive	N, RJ,
		Number	negative samples required from ground	PRE/0
		Negative	water sources when the MCL for the	
		Samples	chemical contaminant is violated.	
			-- Applicable to non-community PWSs and	
			for THMs for PWSs having populations	
			in the 10,000 thru 74,999 range.	
			-- Federal default applies only to	
			Nitrate if field is blank.	
			(141.23(d)	
68	68	Years to	Enter the number of years within which	N
		First	the initial water sample must be taken	
		Sample -	from surface water sources to be ana-	
		Surface	lyzed for the chemical contaminant.	

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SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes (THMs).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Applicable for Non-community PWSs	
			and for THMs for PWSs having popula-	
			tions in the 10,000 thru 74,999 range.	
			-- Federal default applies only to	
			Nitrate if field is blank.	
			(141.23(a)(3))	
69	72	Normal	Enter the normal sampling frequency	N, RJ,
		Sampling	of surface water sources for the chemi-	PRE/0
		Frequency	cal contaminant.	
			-- Expressed in days.	
			-- Applicable to non-community PWSs and	
			for PWSs having populations in the	
			10,000 thru 74,999 range for THMs.	
			-- Must be entered for State Primary	
			(No Federal default value).	
73	76	Minimum	Enter the minimum required sampling	N, RJ,
		Sampling	frequency for surface water sources	PRE/0
		Frequency	where the chemical contaminant is in	
		if MCL	violation of the MCL.	
		Violated	-- Expressed in days.	
			-- Applicable to non-community PWSs and	
			for the THMs for PWSs having popula-	

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DATA ENTRY INSTRUCTIONS

Binder 20
[illegible]3/81

SOURCE DOCUMENT NAME: Chemical Contaminant Input Form	EXHIBIT: REGS.101
PURPOSE: Establishes standard regulations for Chemical Sampling for community and non-community PWS and for Trihalomethanes	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

	COL. NO.	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			tions in the 10,000 thru 74,999 range.	
			-- Must be entered for State Primary	
			(No Federal default values).	
--	78	Minimum	Enter the minimum number of successive	N, RJ,
		Number	negative samples required from surface	PRE/0
		Negative	water sources where the MCL for the	
		Samples	chemical contaminant is violated.	
			-- Applicable for non-community PWSs and	
			for THMs for PWSs having populations	
			in the 10,000 thru 74,999 range.	
			-- Federal default applies only for	
			Nitrate if field is blank	
			(141.23(d)).	
79	80	Card Code	The card code is pre-printed on the	A/N
			form.	
			-- Must be "C2" of the corresponding	
			"C1" chemical contaminant.	
			-- Indicates regulations for Non-	
			Community PWS of the chemical contam-	
			inant and for THMs for PWSs having	
			populations in the 10,000 thru 74,999	
			range.	

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Binder 20
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SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			(This page was intentionally left blank.)	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Turbidity Contaminant Input Form	REGS.102
PURPOSE: Established standard regulation for Turbidity Sampling for Community and non-Community PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant	Represents the contaminant	
		ID	identification code for turbidity.	
			- Pre-printed on the form as '0100'	
	6	Regulation/	Enter the regulation type (Federal	A
		Level	State) and the regulation level	
			(Primary or Secondary) as follows:	
			FP (Federal/Primary)	
			FS (Federal/Secondary)	
			SP (State/Primary)	
			SS (State/Secondary)	
			Must be entered.	
7	15	Contaminant	Represents the contaminant name	
		Name	for turbidity	
			-Pre-printed on the form as	
			'TURBIDITY'.	
16	17	MCL for	Enter the Maximum Contaminant	N,PRE/0,
		Monthly	Level, expressed in turbidity	RJ
		Average	units, based on a monthly average	
			of daily samples.	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Turbidity Contaminant Input Form	REGS.102
PURPOSE: Established standard regulation for Turbidity Sampling for Community and non-Community PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			- Federal default applies if field	
			is blank (0141.13(a))	
18	19	MCL for	Enter the Maximum Contaminant Level,	N,PRE/0,
		Consecutive	expressed in turbidity units, based	RJ
		Samples	on an average for a given number of	
			consecutive days.	
			-Federal default applies if field is	
			blank (0141.13(b))	
20	21	Number	Enter the number of consecutive days	N,PRE/0,
		of	over which to compute an average	RJ
		Consecutive	to determine compliance for	
		Samples	consecutive daily MCL.	
			-Federal default applies if field	
			is blank (0141.13(b))	
22	27	Effective	Enter the date on which applicable	N
		Date	regulations are effective	
			-Enter as month/day/year	
			-Federal default applies if field	
			is blank (0141.6)	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Turbidity Contaminant Input Form	REGS.102
PURPOSE: Established standard regulation for Turbidity Sampling for Community and non-Community PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
28	28	Apply to All Sources	Enter a 'Y' if turbidity is to be monitored by all PWS's. Enter an 'N' if turbidity is to be monitored only by PWS's supplied by one or more surface sources. -Federal default applies if field is blank (0141.22(d))	A
29	29	Include Repeat Samples in Average	Enter a 'Y' if repeat (check) samples are to be included in the calculation of the monthly average of daily samples. Enter an 'N' if only regular (distribution system) samples are used in the calculation of the monthly average of daily samples. Default to 'Y' if blank is used.	A

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SOURCE DOCUMENT NAME: Turbidity Contaminant Input Form	EXHIBIT: REGS.102
PURPOSE: Established standard regulation for Turbidity Sampling for Community and non-Community PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
30	32	Frequency	Enter the maximum period (time),	N,PRE/0,
		of	in hours, between turbidity samples.	RJ
		monitoring	-Federal default applies if field	
		Community	is blank (0141.22(a))	
		PWS:	-Applies to Community PWS's only	
33	35	Frequency	Enter the maximum period (time),	N,PRE/0,
		of	in hours, between turbidity samples.	RJ
		monitoring	-Federal default applies if field	
		Non-	is blank (0141.22(a))	
		community	-Applies to Non-community PWS's	
		PWS:	only.	
36	37	Maximum	Enter the maximum period (time),	N,PRE/0,
		Resampling	in minutes, to resample and measure	RJ
		Period if	turbidity if the result of a	
		MCL	turbidity analysis indicates that	
		Exceeded	that the maximum allowable limit has	
			been exceeded.	
			-Federal default applies if field	
			is blank (0141.22(b))	

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DATA ENTRY INSTRUCTIONS

Binder 20
12/18/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Turbidity Contaminant Input Form	REGS.102
PURPOSE: Established standard regulation for Turbidity Sampling for Community and non-Community PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
38	38	Decimal	Enter the number of digits to be used in	N
		Signifi-	decimal rounding of computed averages	
		cance	when comparing with regulated MCL's.	
			- Must be entered.	
			- Must be ≥ 0 and ≤ 5.	
79	80	Card Code	Represents the Transaction Type	
			- Pre-printed on the form as 'T1'	

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SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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Binder 20
12/20/78

SOURCE DOCUMENT NAME: Population Table for Bacteriological Sampling Input Form	EXHIBIT: REGS.103
PURPOSE: Used to establish minimum sampling frequency for specified population ranges	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant	Represents the Contaminant identifica-	
		ID	tion code for each entry in the table.	
			-- Pre-printed on the form as '3000'	
5	6	Regulation/	Enter the regulation type (Federal or	A
		Level	State) and the regulation level (Primary	
			or Secondary) as follows:	
			FP (Federal/Primary)	
			FS (Federal/Secondary)	
			SP (State/Primary)	
			SS (State/Secondary)	
			-- Must be entered. (See Notice.)	
7	7	Table ID	Represents the table identification	
			code.	
			-- Pre-printed on the form as '1'.	
8	16	Population	Enter the minimum population count	N, RJ,
		Lower	which requires the corresponding	PRE/0
		Limit	minimum number of samples for bacterio-	
			logical contaminants per month.	

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SOURCE DOCUMENT NAME: Population Table for Bacteriological Sampling Input Form	EXHIBIT: REGS.103
PURPOSE: Used to establish minimum sampling frequency for specified population ranges	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Although a State may enter any popu-	
			lation range desired, State standards	
			must be as stringent or more stringent	
			than Federal requirements when the	
			State has a range overlapping that of	
			the Federal Regulations (141.21(b)).	
			Example: If a State has designated	
			a minimum population range of	
			'000007500', the corresponding mini-	
			mum number of samples per month must	
			be more than 8 (depending upon the	
			maximum population limit as described	
			below).	
17	25	Population	Enter the maximum population count	N,RJ,
		Upper	which requires the corresponding number	PRE/0
		Limit	of samples for bacteriological contami-	
			nants per month. The combination of	
			this field and the minimum population	
			count comprise the population range for	
			required samples per month as deter-	
			mined by the State. The State must	

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DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Population Table for Bacteriological Sampling Input Form	EXHIBIT: REGS.103
PURPOSE: Used to establish minimum sampling frequency for specified population ranges	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			always enter more stringent requirements	
			(if not equal to Federal requirements	
			defined in 141.21(b)).	
			Example: In regards to the example	
			given above, if the minimum population	
			limit is '000007500' and the maximum	
			population limit is '000010000', the	
			corresponding required samples per	
			month would be 11.	
26	28	Minimum	Enter the corresponding minimum number	N, RJ,
		Samples/	of samples for bacteriologican conta-	PRE/0
		Month	minants required per month as determined	
			by the population range.	
			--Must be more stringent than Federal	
			Regulations (141.21(b)) when deter-	
			mined by the State.	
79	80	Card Code	Represents the transaction type.	
			--Pre-printed on the form as 'P1'.	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder20
5/29/79

SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant	Pre-printed contaminant identifica-	
		ID	tion code for bacteriological contam-	
			inants	
			-- Pre-printed on the form as '3000'	
5	6	Regulation/	Enter the regulation type (Federal or	A
		Level	State) and the regulation level	
			(Primary or Secondary) as follows:	
			FP (Federal/Primary)	
			FS (Federal/Secondary)	
			SP (State/Primary)	
			SS (State/Secondary)	
			-- Must be entered	
7	14	Contaminant	Pre-printed bacteriological contami-	
		Name	nant name.	
			-- Pre-printed on the form as	
			'COLIFORM'	
15	20	Effective	Enter date on which applicable regu-	N
		Date	lations become effective.	

MODEL STATE INFORMATION SYSTEM

Binder 20
12/18/78

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Enter as month/day/year	
			-- Federal default applies if field	
			is blank (141.6)	
21	22	Single	Enter the maximum allowed number of	N, RJ,
		Sample	coliform bacteria per 100 ml. in any	PRE/0
		MCL	single sample.	
			-- Applicable only to coliform measure-	
			ment determined by the Membrane	
			Filter Analysis Method.	
			-- Federal default applies if field	
			is blank (141.14(a))	
23	24	Monthly	Enter the number of coliform bacteria	N, RJ
		MCL	per 100 ml. not to be exceeded as the	PRE/0
			arithmetic mean of all samples exa-	
			mined per month.	
			-- Applicable only to coliform measure-	
			ment determined by the Membrane	
			Filter Analysis Method.	
			-- Federal default applies if field	
			is blank (141.14(a)(1))	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
10/31/79

SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
25	26	Percent of Samples	Enter the percent of samples, representing the maximum number of samples out of the total number of samples taken in a one month period, which are allowed to exceed the maximum coliform bacteria count per 100 ml. -- Applicable only to coliform measurement determined by the Membrane Filter Analysis Method -- Federal default applies if field is blank (141.14(a)(3))	N, RJ, PRE/0
27	28	Minimum Required Samples to Use Percent	Enter the minimum number of samples taken per month which must be taken in in order to use the percent method for determining coliform bacteria count. -- Applicable only to coliform measurement determined by the Membrane Filter Analysis Method -- Federal default applies if field is blank (141.14(a)(3))	N, RJ, PRE/0

MODEL STATE INFORMATION SYSTEM

Binder 20
12/18/78

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
29	30	MCL When % is Used	Enter the maximum allowable contaminant level when the percent method is used to measure the number of coliform bacteria per 100 ml. -- Applicable only to coliform measurement determined by the Membrane Filter Analysis Method -- Federal default applies if field is blank (141.14(a)(3))	N, RJ, PRE/0
31	32	Single Sample MCL	Enter the maximum number of positive portions allowable for a single sample -- Applicable only to coliform measurement taken by the Fermentation Tube Method using 10 ml. standard portions. -- Federal default applies if field is blank (141.14(b)(1)(ii))	N, RJ, PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
12/18/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regualtions for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
33	34	Monthly	Enter the maximum contaminant level,	N, RJ,
		MCL	measured in terms of allowable positive	PRE/0
			portions as a percent of the total num-	
			ber of samples taken during a one month	
			period.	
			-- Applicable only to coliform measure-	
			ment taken by the Fermentation Tube	
			Method using 10 ml. standard portions,	
			-- Federal default applies if field is	
			blank (141.14(b)(1)(i))	
35	36	Percent of	Enter the percent of samples represen-	N, RJ,
		Samples	ting the maximum number of samples out	PRE/0
			of the total number of samples taken	
			during a one month period, which are	
			allowed to contain coliform bacteria	
			exceeding the maximum number of positive	
			portions allowed.	
			-- Applicable only to coliform measure-	
			ment taken by the Fermentation Tube	
			Method using 10 ml. standard por-	
			tions.	

MODEL STATE INFORMATION SYSTEM

Binder 20
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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Federal default applies if field	
			is blank (141.14(b)(1)(iii))	
37	38	Minimum	Enter the minimum number of samples	N, RJ,
		Required	taken per month required to calculate	PRE/0
		Samples	the MCL in terms of percent.	
		to Use	-- Applicable only to coliform measure-	
		Percent	ment taken by the Fermentation Tube	
			Method using 10 ml. standard por-	
			tions.	
			-- Federal default applies if field is	
			blank (141.14(b)(1)(iii))	
39	40	MCL When	Enter the MCL as the maximum number of	N, RJ,
		% is Used	positive portions not to be exceeded	PRE/0
			when the percent method is used.	
			-- Applicable only to coliform measure-	
			ment taken by the Fermentation Tube	
			Method using 10 ml. standard por-	
			tions.	
			-- Federal default applies if field is	
			blank (141.14(b)(1)(iii))	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
12/18/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
41	42	Single	Enter the MCL for single samples defined	N, RJ,
		Sample	as the maximum number of positive por-	PRE/0
		MCL	tions not to be exceeded.	
			-- Applicable only to coliform measure-	
			ment by the Fermentation Tube	
			Method using 100 ml. standard por-	
			tions	
			-- Federal default applies if field is	
			blank (141.14(b)(2)(ii))	
43	44	Monthly	Enter the MCL represented as the maxi-	N, RJ,
		MCL	mum number of allowable positive por-	PRE/0
			tions as the percent of the total	
			number of samples taken per month.	
			-- Applicalbe only to coliform measured	
			by the Fermentation Tube Method	
			using 100 ml. standard portions.	
			-- Federal default applies if field is	
			blank (141.14(b)(2)(i))	

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Binder 20 **DATA ENTRY INSTRUCTIONS**
12/18/78

SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
45	46	Percent of Samples	Enter the percent of samples representing the maximum number of samples out of the total samples for a one month period, which are allowed to exceed the maximum allowable number of positive portions. -- Applicable only to coliform measurement by the Fermentation Tube Method using 100 ml. standard portions. -- Federal default applies if field is blank (141.14(b)(2)(iii))	N, RJ, PRE/0
47	48	Minimum Required Samples to Use Percent	Enter the minimum number of samples taken per month required to calculate the MCL in terms of percent. -- Applicable only to coliform measurement taken by the Fermentation Tube Method using 100 ml. standard portions. -- Federal default applies if field is blank (141.14(b)(2)(iii))	N, RJ, PRE/0

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DATA ENTRY INSTRUCTIONS

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SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
49	50	MCL When	Enter the MCL as the maximum number of	N, RJ,
		% Is Used	positive portions not to be exceeded	PRE/0
			when the percent method is used.	
			-- Applicable only to coliform measure-	
			ment taken by the Fermentation Tube	
			Method using 100 ml. standard por-	
			tions.	
			-- Federal default applies if field is	
			blank (141.14(b)(2)(iii))	
51	51	Maximum	Enter the maximum number of samples re-	N
		Required	quired per month based on population	
		Samples	range for a community or non-community	
			PWS in order to permit sampling based on	
			a special sampling period shown immedi-	
			ately below.	
			-- Federal default applies if field is	
			blank (141.14(c))	
52	52	Sampling	Enter a special sampling period for	N
		Period	community or non-community PWS in lieu	
			of the regular sampling period when	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			population range permits waiver of the	
			regular sampling period.	
			-- Federal default applies if field is	
			blank (141.14(c))	
53	53	Minimum	Enter the minimum number of consecutive	N
		Number of	daily check samples required when a sin-	
		Consecutive	gle sample MCL is in violation for col-	
		Daily Check	iform bacteria level.	
		Samples	-- Federal default applies if field is	
			blank (141.21(d)(1))	
54	54	Minimum	Enter the minimum number of consecutive	N
		Number of	check samples having negative portions	
		Consecutive	after any single sample has exceeded	
		Negative	the MCL for coliform bacteria in order	
		Portions	to halt check sampling procedures.	
			-- Federal default applies if field is	
			blank (141.21(d)(2))	
55	56	Minimum	Enter the number of consecutive check	N, RJ,
		Number of	samples showing less than one coliform	PRE/0

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SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Consecutive	bacteria per 100 ml. required when a sin-	
		Negative	gle sample MCL is violated.	
		Membrane	-- Federal default applies if field is	
		Filters	blank (141.21(d)(1))	
57	58	Chlorine	Enter the number of samples required in	N, RJ,
		Residual	lieu of each regular sample when the	PRE/0
		Method	Chlorine Residual Analysis Method is	
		Number of	used.	
		Samples in	-- Applicable only to sampling done by	
		Lieu of One	the Chlorine Residual Analysis	
		Regular	Method as approved by the State.	
		Sample	-- Federal default applies if field is	
			blank (141.21(h))	
59	60	Maximum	Enter the percent of microbiological	N, RJ,
		% of	samples representing the maximum number	PRE/0
		Regular	of samples which may be replaced by	
		Samples	chlorine residual monitoring according	
			to the number of Chlorine Residual sam-	
			ples needed in lieu of each regular sam-	
			ple.	

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SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

COL. FROM	COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Applicable only to samples using the Chlorine Residual Analysis Method as approved by the State.	
			-- Federal default applies if field is balnk (141.21(h))	
61	62	Minimum Chlorine Level	Enter the minimum allowable free chlorine residual level.	N, RJ, PRE/0
			-- Express as milligrams/liter	
			-- Enter as a two digit decimal field, e.g. .12	
			-- Applicable only to samples using Chlorine Residual Analysis Method as approved by the State.	
			-- Federal default applies if field is blank (141.21(h))	
63	64	Maximum Time to Retest Chlorine Level	Enter the maximum amount of time allowed to retest chlorine level at the location in violation of the MCL	N, RJ, PRE/0
			-- Express in minutes.	
			-- Applicable only to samples using Chlorine Residual Analysis Method as	

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Binder 20
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SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regualtions for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			approved by the State.	
			-- Federal default applies if field is	
			blank (141.21(h))	
65	70	Non-	Enter date on which applicable regula-	N
		Community	tions become effective.	
		Monitoring	-- Enter as month/day/year	
		Frequency	-- Applicable to non-community PWS mon-	
		Effective	itoring only	
		Date	-- Federal default applies if field is	
			blank (141.21(c))	
71	71	Seasonal	Enter the option to determine if season-	A
		Sampling	al sampling is required as follows:	
			Y (yes, seasonal sampling required)	
			N (no, seasonal sampling not required)	
			-- Applicable to non-community PWS mon-	
			itoring only.	
			-- Federal default applies if field is	
			blank (141.21(c))	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological Contaminant Input Form	EXHIBIT: REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
72	72	Period	Enter code indicating type of sampling	A
			period required for coliform bacteria	
			as follows:	
			Q (Quarterly Sampling)	
			M (monthly Sampling)	
			-- Applicable to non-community PWS	
			monitoring only	
			-- Federal default applies if field is	
			blank (141.21(c))	
73	74	Number of	Enter the number of samples required	N, RJ,
		Samples	per sampling period for coliform	PRE/0
		Per Period	bacteria.	
			-- Applicable to non-community PWS	
			monitoring only	
			-- Federal default applies if field is	
			blank (141.21(c))	
75	75	Decimal	Enter the number of digits to be used in	N
		Signifi-	decimal rounding of computed average	
		cance	when comparing with regulated MCL's	
			using the membrane filter analysis	

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DATA ENTRY INSTRUCTIONS

Binder 20
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SOURCE DOCUMENT NAME:	EXHIBIT:
Bacteriological Contaminant Input Form	REGS.104
PURPOSE: Establishes standard regulations for Bacteriological Contaminants for community and non-community PWS	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justiry Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			method.	
			- Must be entered.	
			- Must be ≥ 0 and ≤ 5.	
76	76	Decimal	Same as for card col. 75 except using	N
		Signifi-	the fermentation tube 10ml. analysis	
		cance	method.	
77	77	Decimal	Same as for card col. 75 except using	N
		Signifi-	the fermentation tube 100ml. analysis	
		cance	method.	
78	78	Decimal	Same as for card col. 75 except using	N
		Signifi-	the chlorine residual method.	
		cance		
79	80	Card Code	Represents the Transaction Type.	
			-- Pre-printed on the form as 'M1'.	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			(This page intentionally left blank.)	

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DATA ENTRY INSTRUCTIONS

Binder 20
12/18/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Fluoride MCL Table Input Form	REGS.105
PURPOSE: Used to establish the Maximum Contaminant Level for fluoride based on the annual average of the daily maximum air temperature for PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant	Represents the contaminant identifi-	
		ID	cation code for fluoride.	
			-- Pre-printed on the form as '1025'	
5	6	Regulation/	Enter the regulation type (Federal or	A
		Level	State) and the regulation level	
			(Primary or Secondary) as follows:	
			FP (Federal/Primary)	
			FS (Federal/Secondary)	
			SP (State/Primary)	
			SS (State/Secondary)	
			-- Must be entered (See Notice.)	
7	7	Table ID	Represents the Table Identification	N
			-- Pre-printed on the form as '2'	
8	10	Fahrenheit	Enter the lower limit of the tempera-	N, RJ,
		Lower	ture range, in degrees fahrenheit,	PRE/0
			corresponding to the fluoride MCL for	
			that temperature range.	
			-- Federal default applies (see Notice)	
			if field is blank	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Fluoride MCL Table Input Form	REGS.105
PURPOSE: Used to establish the Maximum Contaminant Level for fluoride based on the annual average of the daily maximum air temperature for PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
11	13	Fahrenheit Upper	Enter the upper limit of the temperature range, in degrees fahrenheit, corresponding to the fluoride MCL for that temperature range. -- Federal default applies (see Notice) if field is blank	N, RJ, PRE/0
14	16	Celsius Lower	Enter the lower limit of the temperature range, in degrees celsius, corresponding to the fluoride MCL for that temperature range. -- Federal default applies (see Notice) if field is blank	N, RJ, PRE/0
17	19	Celsius Upper	Enter the upper limit of the temperature range, in degrees celsius, corresponding to the fluoride MCL for that temperature range. -- Federal default applies (see Notice) if field is blank	N, RJ, PRE/0

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Binder 20
12/18/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Fluoride MCL Table Input Form	REGS.105
PURPOSE: Used to establish the Maximum Contaminant Level for fluoride based on the annual average of the daily maximum air temperature for PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	25	MCL	Enter the fluoride Maximum Contaminant	N, RJ,
			Level for the given Fahrenheit/Celsius	PRE/0
			temperature range above, in milligrams	
			per liter (mg/l).	
			-- Federal default applies (see Notice)	
			if field is blank	
26	28	Reasonable	Enter the lower limit of the tempera-	N, RJ,
		Bounds	ture range, in degrees Fahrenheit,	PRE/0
		Fahrenheit	describing the most reasonable state-	
		Lower	wide average annual daily maximum air	
			temperature limits.	
			-- Federal default applies if field is	
			blank (corresponding FP record	
			value is used)	
29	31	Reasonable	Enter the upper limit of the tempera-	N, RJ,
		Bounds	ture range, in degrees Fahrenheit,	PRE/0
		Fahrenheit	describing the most reasonable state-	
		Upper	wide average annual daily maximum air	
			temperature limits.	

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DATA ENTRY INSTRUCTIONS

Binder 20
12/13/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Fluoride MCL Table Input Form	REGS.105
PURPOSE: Used to establish the Maximum Contaminant Level for fluoride based on the annual average of the daily maximum air temperature for PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Federal default applies if field	
			is blank (corresponding FP record	
			value is used)	
32	34	Reasonable	Enter the lower limit of the tempera-	N, RJ,
		Bounds	ture range, in degrees Celsius, des-	PRE/0
		Celsius	cribing the most reasonable state-wide	
		Lower	average annual daily maximum air tem-	
			perature limits.	
			-- Federal default applies if field	
			is blank (corresponding FP record	
			value is used)	
35	37	Reasonable	Enter the upper limit of the tempera-	N, RJ,
		Bounds	ture range, in degrees Celsius, des-	PRE/0
		Celsius	cribing the most reasonable state-wide	
		Upper	average annual daily maximum air tem-	
			perature limits.	
			-- Federal default applies if field	
			is blank (corresponding FP record	
			value is used)	

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DATA ENTRY INSTRUCTIONS

Binder 20
12/18/78

SOURCE DOCUMENT NAME: Fluoride MCL Table Input Form	EXHIBIT: REGS.105
PURPOSE: Used to establish the Maximum Contaminant Level for fluoride based on the annual average of the daily maximum air temperature for PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
38	38	Decimal	Enter the number of digits to be used	N, DUP
		Signifi-	in decimal rounding of computed average	
		cance	when comparing with regulated MCL's.	
			- Must be entered.	
			- Must be $\geq$ 0 and $\leq$ 5.	
79	80	Card Code	Represents the Transaction Type.	
			-- Pre-printed on the form as 'F1'	
			NOTICE:	
			Although a state has the capability	
			of entering any temperature ranges	
			desired, when such ranges overlap those	
			established by the Federal Regulations,	
			the fluoride MCL specified by the State	
			temperature range must be less than or	
			equal to the corresponding Federal value	
			of the highest Federal temperature range	
			overlapped. For example, if a State	
			range of 60.0 F to 64.0 F is specified,	
			this is compared to Federal ranges and	
			fluoride MCL's:	

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PURCHASE DOCUMENT NAME: Fluoride MCL Table Input Form	EXHIBIT: REGS.105
PURPOSE: Used to establish the Maximum Contaminant Level for fluoride based on the annual average of the daily maximum air temperature for PWS's	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

COL	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		58.4 F to 63.8 F 2.0	
		63.9 F to 70.6 F 1.8	
		and must specify a fluoride MCL value	
		no greater than 1.8.	

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Binder 20
12/20/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Major Beta Emitter Table Input Form	REGS.106
PURPOSE: Establishes MCL Dosage Equivalents and Detection Limits for Major Beta Emitters used in standard regulations for man-made radionuclides	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant	Enter the numeric contaminant identi-	N
		ID	fication code for a major beta	
			emitter.	
			-- Must be entered as a valid code on	
			the Code Value Table	
			-- First digit is pre-printed on the	
			form as '4'	
			-- The completed code must fill all	
			four positions	
5	6	Regulation/	Enter the regulation type (Federal)	A
		Level	and the regulation level	
			(Primary or Secondary) as follows:	
			FP (Federal/Primary)	
			FS (Federal/Secondary)	
			---Must be entered (See Notice.)	
7	7	Table ID	Represents the Table Identification	
			Code for record identification pur-	
			poses.	

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SOURCE DOCUMENT NAME: Major Beta Emitter Table Input Form	EXHIBIT: REGS.106
PURPOSE: Establishes MCL Dosage Equivalents and Detection Limits for Major Beta Emitters used in standard regulations for man-made radionuclides	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-- Pre-printed on the form as '3'	
8	13	Effective	Enter the date on which applicable	N
		Date	regulations are effective.	
			-- Enter as month/day/year	
			-- Federal default applies if field	
			is blank (141.6)	
14	28	Contaminant	Enter the name of the Major Beta	A/N
		Name	Emitter.	
			-- If this field is left blank the	
			contaminant name will be generated	
			internally from the Code Value	
			Table based on the corresponding	
			Contaminant ID given above	
			(Col. 1 - 4)	
29	34	Annual	Enter the average annual concentration	N, RJ,
		Concentra-	of beta particle activity, expressed	PRE/0
		tion Equi-	in picocuries per liter, equivalent	
		valent to	to the maximum allowed annual dose	
		MCL Dose	equivalent of Gross Beta radioactivity	

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SOURCE DOCUMENT NAME: Major Beta Emitter Table Input Form	EXHIBIT: REGS.106
PURPOSE: Establishes MCL Dosage Equivalents and Detection Limits for Major Beta Emitters used in standard regulations for man-made radionuclides	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			in millirems per year.	
			-- Federal default applies if field is	
			blank (value on corresponding FP	
			record is used)	
35	38	Detection	Enter the instrument minimum detection	N, RJ,
		Limit	limit, expressed in picocuries per	PRE/0
			liter, for the concentration measure-	
			ment of the Major Beta Emitter.	
			-- Federal default applies if field is	
			blank (value on corresponding FP	
			record is used)	
39	39	Nuclear	Enter a one character code represen-	A
		Facility	ting a nuclear facility type on the	
		Code(s)	Code Value Table which would be asso-	
			ciated with causing contamination by	
			the Major Beta Emitter	
40	40	Nuclear	Enter a one character code represen-	A
		Facility	ting a nuclear facility type on the	
		Code(s)	Code Value Table which would be asso-	

MODEL STATE INFORMATION SYSTEM
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SOURCE DOCUMENT NAME: Major Beta Emitter Table Input Form	EXHIBIT: REGS.106
PURPOSE: Establishes MCL Dosage Equivalents and Detection Limits for Major Beta Emitters used in standard regulations for man-made radionuclides	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			ciated with causing contamination by	
			the Major Beta Emitter	
41	41	Nuclear	Enter a one character code represen-	A
		Facility	ting a nuclear facility type on the	
		Code(s)	Code Value Table which would be asso-	
			ciated with causing contamination by	
			the Major Beta Emitter	
42	42	Nuclear	Enter a one character code represen-	A
		Facility	ting a nuclear facility type on the	
		Code(s)	Code Value Table which would be asso-	
			ciated with causing contamination by	
			the Major Beta Emitter	
43	43	Nuclear	Enter a one character code represen-	A
		Facility	ting a nuclear facility type on the	
		Code(s)	Code Value Table which would be asso-	
			ciated with causing contamination by	
			the Major Beta Emitter	

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Binder 20
12/18/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Major Beta Emitter Table Input Form	REGS.106
PURPOSE: Establishes MCL Dosage Equivalents and Detection Limits for Major Beta Emitters used in standard regulations for man-made radionuclides	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
44	44	Decimal	Enter the number of digits to be used	N,DUP
		Signifi-	in decimal rounding of computed average	
		cance	when comparing with regulated MCL's.	
			- Must be entered.	
			- Must be ≥ 0 and ≤ 5.	
79	80	Card Code	Represents the Transaction Type.	
			-- Pre-printed on the form as 'E1'	
			NOTICE:	
			A State Beta Emitter Table is not	
			to be entered.	

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SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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Binder 20
7/31/81

SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaninant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling for Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant ID	Represents the contaminant identification code for Gross Alpha contaminants. -Preprinted on the form as '4000'	
5	6	Regulation/ Level	Enter the regulation type (Federal or State) and the regulation level (Primary or Secondary) as follows: FP (Federal/Primary) FS (Federal/Primary) SP (State/Primary) SS (State/Secondary) Must be entered.	A
7	17	Contaminant Name	Represents the name of the Gross Alpha contaminant. -Preprinted on the form as 'GROSS ALPHA'	A
18	23	Effective Date	Enter the date on which applicable regulations are effective. -Enter as month/day/year -Federal default applies if field is blank (141.6)	N

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SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaminant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling for Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
24	26	Gross Alpha MCL	Enter the Maximum Contaminant Level allowed for Gross Alpha radionuclide contamination expressed in picocuries per liter. -Federal default applies if left blank (141.15(b))	N,PRE/0, RJ
27	29	Combined Radium MCL	Enter the Maximum Contaminant Level allowed for combined Radium-226 and Radium-228 radionuclide contamination expressed in picocuries per liter. -Federal default applies if left blank (141.15(a))	N,PRE/0, RJ
30	32	Maximum Gross Alpha Screening Level Without Radium-228	Enter the concentration of gross alpha particle activity to be used as a screening level when radium-228 is not suspected to be present in the drinking water. Expressed in picocuries per liter. -Federal default applies if left blank. (141.26(a)(1)(i))	N,PRE/0, RJ

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Binder 20
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SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaminant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling for Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
33	35	Maximum	Enter the concentration of gross alpha	N,PRE/0,
		Gross Alpha	particle activity to be used as a	RJ
		Screening	screening level when radium-228 is sus-	
		Level with	spected to be present in the drinking	
		Radium-228	water. Expressed in picocuries per liter.	
			-Federal default applies if left blank	
			(141.26(a)(1)(i))	
36	38	Maximum	Enter the maximum allowed concentration	N,PRE/0,
		Radium-226	of Radium-226 particle activity, to be	RJ
		Screening	used as a screening level for determi-	
		Level for	ation of whether the same or an equiv-	
		Radium-228	alent sample should be analyzed for	
			Radium-228. Expressed in picocuries	
			per liter.	
			-Federal default applies if left blank	
			(141.26(a)(1)(ii))	
39	41	Maximum	Enter the maximum allowed concentration	N,PRE/0,
		Radium-226	of Radium-226 particle activity, not to	RJ
		Screening	determine if annual monitoring of any	
		Level for	community water system should be com-	

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Binder 20
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SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaminant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling for Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Annual	sidered. Expressed in picocuries per	
		Monitoring	liter.	
			-Federal default applies if left blank	
			(141.26(a)(3)(v)))	
42	42	Number of	Enter the number of consecutive quart-	N
		Consecutive	erly Gross Alpha samples required to	
		Quarterly	determine compliance for a sampling	
		Samples	period. If a composite sample is sub-	
			mitted, enter the number of consecutive	
			quarterly samples represented by the	
			composite.	
			-Federal default applies if left blank	
			(141.26(a)(1))	
43	43	Normal	Enter the normal monitoring period	N
		Monitoring	(after initial analysis), in years,	
		Frequency	during which PWS's are to sample for	
			natural occurring radionuclides when not	
			in violation of the regulations.	
			-Federal default applies if left blank	
			(141.26(a)(1))	

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Binder 20
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SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaminant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling for Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
44	45	Initial Monitoring Period for New Water Source	Enter the initial monitoring period, in months, during which PWS's are to sample for natural occurring radionuclides if a Public Water System begins operation after the regulations have become effective. -Federal default applies if left blank (141.26(a)(3)(ii))	N,PRE/0, RJ
46	47	Fraction of MCL at which to Substitute Single Sample	Enter the fraction in decimal form of the maximum contaminant level that the average annual concentration of natural occurring radionuclides for a PWS must be no greater than to qualify for substitution of analysis of a single sample rather than four quarterly samples required in a sampling period. -Federal default applies if left blank (141.26(a)(3))	N,PRE/0, RJ
48	49	Monitoring Frequency	Enter the monitoring period, in months, during which PWS's are to monitor for	N,PRE/0, RJ

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SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaminant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling for Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		if PWS is	natural radionuclides when in maximum	
		in	contaminant level violation of these	
		Violation	regulations.	
			-Federal default applies if left bland	
			(141.26(a)(4))	
50	50	Annual	Enter "A", "B" or "C". However, in the	A
		Composite	7/31/81 MSIS Radionuclide regulation	
		or Multiple	design it was determined that compli-	
		Sample	ance determination would always	
		Average	accept both single and composite	
		Required	samples.	
			-If left blank, a Federal default of	
			"B" is used (141.26(a)(1))	
51	51	Community,	Enter "C" if these regulations apply	A
		Non-	to only a community PWS. Enter "B" if	
			(Continued on next page)	

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Binder 20
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SOURCE DOCUMENT NAME: Gross Alpha Radionuclide Contaminant Input Form	EXHIBIT: REGS.107
PURPOSE: Establishes standard regulations for Gross Alpha (Natural) Radionuclide Sampling from Community and Non-Community PWS's.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Community	these regulations apply to both a com-	
		or Both	munity or non-community PWS.	
			-If left blank, a Federal default of	
			"C" is used (141.26(a))	
52	52	Decimal	Enter the number of digits to be used	N
		Signifi-	in decimal rounding of computed average	
		cance	when comparing with regulated MCL's.	
			-Must be entered.	
			-Must be $\geq$ 0 and $\leq$ 5.	
79	80	Card Code	Represents the Transaction Type.	
			-- Pre-printed on the form as 'A1'	

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SOURCE DOCUMENT NAME:	EXHIBIT:
	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminanted by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant ID	Represents the contaminant identification code for Gross Beta contaminants -Preprinted on the form as '4100'	
5	6	Regulation/ Level	Enter the regulation type (Federal or State) and the regulation level (Primary or Secondary) as follows: FP (Federal/Primary) FS (Federal/Secondary) SP (State/Primary) SS (State/Secondary) Must be entered	A
7	16	Contaminant Name	Represents the name of the Gross Beta contaminant. -Preprinted on the form as 'GROSS BETA'	
17	22	Effective Date	Enter the date on which applicable regulations are effective. -Enter as month/day/year -Federal default applies if field is blank (141.6).	N

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Binder 20
7/31/81

SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminanted by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
23	24	Man-made	Enter the maximum allowed average	N,PRE/0,
		Radio-	annual dose equivalent of Gross Beta	RJ
		nuclide	radioactivity expressed in millirems per	
		Annual	year.	
		MCL Dosage	-Federal default applies if left blank	
			(141.16(a),(b))	
25	29	Tritium	Enter the maximum allowed average	N,PRE/0,
		Annual	annual concentration of Tritium par-	RJ
		MCL Dosage	ticle activity expressed in picocuries	
			per liter.	
			-Federal default applies if left blank	
			(141.26(b)(1))	

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SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
30	32	Strontium-	Enter the maximum allowed annual aver-	N,PRE/0,
		90	age concentration of Strontium-90 par-	RJ
		Annual MCL	ticle activity expressed in picocuries	
		Dosage	per liter.	
			-Federal default applies if left blank	
			(141.26(b)(1))	
33	35	For Major	Enter the maximum allowed Gross Beta	N,PRE/0,
		Beta	particle activity to be used as a	RJ
		Emitters -	screening level to determine if further	
		No Nuclear	analysis of a sample for major radio-	
		Facility	active constituents is required. This	
		Contamina-	value will apply to a PWS which is not	
		tion	contaminated by a nuclear facility.	
			Expressed in picocuries per liter.	
			-Federal default applies if left blank	
			(141.26(b)(1)(i))	
36	38	For Major	Enter the maximum allowed Gross Beta	N, PRE/0,
		Beta	particle activity to be used as a	RJ
		Emitters -	screening level to determine if analysis	
		Waters	of a sample for major radioactive con-	

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SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N= Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Contami-	stituents is required. This value will	
		nated by a	apply to a PWS which is contaminated by	
		Nuclear	a nuclear facility. Expressed in	
		Facility	picocuries per liter.	
			-Federal default applies if left blank	
			(141.26(b)(4)(i))	
39	41	For Stron-	Enter the maximum allowed Gross Beta	N,PRE/0,
		tium-89	particle activity to be used as a	RJ
		and Cesium	screening level to determine if further	
		-134 -	analysis of a sample for Strontium-89	
		Waters	and Cesium-134 particle activity is re-	
		Contami-	quired. This value will apply to a PWS	
		nated by a	which is contaminated by a nuclear fa-	
		Nuclear	cility. Expressed in picocuries per	
		Facility	liter.	
			-Federal default applies if left blank	
			(141.26(b)(4)(i))	
42	42	Community,	Enter "C" if these regulations apply	A
		Non-commun-	to only a community PWS. Enter "B" if	
		ity or Both	these regulations apply to both a com-	

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Binder 20
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SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			munity or non-community PWS.	
			-If left blank, a Federal default of	
			"C" is used (141.26(b))	
43	43	Monitoring	Enter a "Y" if these regulations apply	A
		of Ground	to a PWS utilizing only ground waters.	
		Water	Enter a "N" if these regulations apply	
		Sources	to a PWS utilizing surface waters as	
			source waters.	
			-If left blank, a Federal default of	
			"N" is used (141.26(b)(1)(iii))	
44	44	Composite	Enter and "A", "B" or "C". However,	A
		or Sample	in the 7/31/81 MSIS Radionuclide Reg-	
		Average	ulations design it was decided that	
		Required	compliance determination would always	
			accept both single and composite	
			samples.	
			-If left blank, a Federal default of	
			"B" is used (141.26(b)(1))	

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SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminanted by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
45	50	Minimum Population for Required Annual Monitoring	Enter the minimum population served by a PWS required to monitor for Man-made Radionuclides. -Federal default applies if left blank (141.26(b)(1))	N,PRE/0, RJ
51	51	Initial Number of Samples per Year	Enter the number of consecutive quarters of Gross Beta samples required to determine compliance for a compliance period. If a composite sample is submitted, enter the number of consecutive quarters represented by the composite. -Federal default applies if left blank (141.26(b)(1)) -Applies to those PWS's not contaminated by a nuclear facility	N

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Binder 20
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SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
52	52	Normal Monitoring Frequency	Enter the normal monitoring period (after initial analysis), in years, during which PWS's are to sample for man-made radionuclides when not in violation of the regulations. -Federal default applies if left blank (141.26(b)(3)) -Applies to all PWS's whether contaminated by a nuclear facility or not	N
53	54	Monitoring Frequency if PWS is in Violation	Enter the monitoring period, in days, during which PWS's are to monitor for man-made radionuclides when in maximum contaminant level violation of these regulations. -Federal default applies if left blank (141.26(b)(5)) -Applies only to those PWS's not contaminated by a nuclear facility.	N

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7/31/81

SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
55	56	Number of Samples per Year - Iodine-131	Enter the total number of Iodine-131 samples to be analyzed in a one year period. For example, if five consecutive daily samples are analyzed on a composite basis and composite analysis results are obtained quarterly for one year, then the value entered should be: 5 x 4 = '20' -Federal default applies if left blank (141.26(b)(4)(ii)) -Applies only to those PWS's contaminated by a nuclear facility	N,PRE/0, RJ
57	58	Number of Samples per Year - Strontium-90 and Tritium	Enter the total number of Tritium or Strontium-90 (both should have same value) samples to be analyzed in a sampling period. -Federal default applies if left blank (141.26(b)(4)(iii)) -Applies only to those PWS's contaminated by a nuclear facility.	N,PRE/0, RJ

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/31/81

SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
59	60	Normal Monitoring Frequency-Iodine-131	Enter the normal monitoring period, in months, during which PWS's are to sample for Iodine-131 when not in violation of these regulations. -Federal default applies if left blank (141.26(b)(4)(iii)) -Applies only to those PWS's contaminated by a nuclear facility	N,PRE/0, RJ
61	62	Normal Monitoring Frequency-Strontium-90 and Tritium	Enter the normal monitoring period, in months, during which PWS's are to sample for Tritium and Strontium-90 (both should have same value) when not in violation of these regulations. -Federal default applies if left blank (141.26(b)(4)(iii)) -Applies only to those PWS's contaminated by a nuclear facility	N,PRE/0, RJ
63	64	Monitoring Frequency if PWS is	Enter the monitoring period, in days, during which PWS's are to monitor for man-made radionuclides when in maximum	N

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/31/81

SOURCE DOCUMENT NAME: Gross Radionuclide Contaminant Input Form	EXHIBIT: REGS.108
PURPOSE: Establishes standard regulations for Gross Beta (Man-made) Radionuclides for a PWS which may or may not be contaminated by a nuclear facility.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		in Violation	contaminant level violation of these regulations.	
			-Federal default applies if left blank (141.26(b)(5))	
			-Applies only to those PWS's contaminated by a nuclear facility.	
65	66	Iodine-131 Consecutive Daily Samples Required per Sampling Period	Enter the number of consecutive daily Iodine-131 samples to be analyzed once each sampling period for PWS's contaminated by a nuclear facility. -Federal default applies if left blank (141.26(b)(4)(ii))	N,PRE/0, RJ
67	67	Decimal Significance	Enter the number of digits to be used in decimal rounding of computed average when comparing with regulated MCL's. - Must be entered. - Must be ≥ 0 and ≤ 5.	N
79	80	Card Code	Represents the Transaction Type. -- Pre-printed on the form as 'B1'	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: REGS.109
PURPOSE: Defines the date printed on the report.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the code for the	
			Processing Options card.	
			Preprinted on the form as 'PROC'.	
5	10	Date	Enter the current date.	N
			Must be entered.	
			Enter as MMDDYY, where MM is month,	
			DD is day, and YY is year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
Early Notification Table Input Form	REGS.110
PURPOSE: Used to enter Early Notification Table information to the system.	LEGEND: A=Alpha N-Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Contaminant ID	Enter the four-digit numeric identification code of the contaminant to be placed into the table --Must be entered --Must be a valid code from the Code Value Table (MSCVT), catalogue number 001.	N
5	6	Regulation Level	Enter 'EN' to indicate that this record is for the Early Notification Table. --Preprinted on the form as 'EN'.	A
7	7	Table ID	The Table Identification Code --Preprinted on the form as '4'.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Early Notification Table Input Form

EXHIBIT: REGS.110

PURPOSE: Used to enter Early Notification Table information to the system.

LEGEND: A=Alpha N=Numeric
A/N=Alphameric
RJ=Right Justify
LJ=Left Justify
PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
8	10	Analysis Method	Enter the three-digit numeric identification code of the analysis method to be grouped with the contaminant in columns 1-4 of this form. --If entered, must be valid for the contaminant type and a valid code from the Code Value Table (LBCVT), cataloque number 820. --If this field is left blank, the supplied contaminant level will apply to all analysis methods for this contaminant	N
11	15	Lower Contaminant Level	Enter the lower Contaminant Level to be used in the Early Notification Table (ENT). --If entered, must be numeric --If entered, lower Contaminant Decimals must also be entered.	N, RJ PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Early Notification Table Input Form	EXHIBIT: REGS.110
PURPOSE: Used to enter Early Notification Table (ENT) information to the system.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0-Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
16	16	Lower Contaminant Decimal	Enter the number of decimal places designated in the 'Lower Contaminant Level'. For example, if the lower Contaminant Level is to be 12.34 then '01234' should be entered in the field 'Lower Contaminant Level (columns 11-15)' and a '2' should be entered in this field. --If entered, must be 1. Numeric 2. Less than 6 (six) 3. Accompanied by a valid value in the field 'Lower Contaminant Level'	N
17	21	Basic Contaminant Level	Enter the contamination level which would most frequently be used as a comparison value with analysis results from the Periodic Sample File (PSF). For example, the Maximum Contaminant Level (MCL) for this contaminant from the Regulations File (RGF) could be	N, RJ PRE/0

168.03 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Early Notification Table Input Form	EXHIBIT: REGS.110
PURPOSE: Used to enter Early Notification Table (ENT) information to the system.	LEGEND: A=Alpha N-Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			entered into this field.	
			--Must be entered.	
			--Must be greater than zero.	
22	22	Basic	Enter the number of decimal places	N
		Contaminant	designated in the field 'Basic Con-	
		Decimals	taminant Level'.	
			Refer to the input example in the	
			field 'Lower Contaminant Decimals' for	
			a sample of the use of the combined	
			fields 'Basic Contaminant Level/	
			Decimals'.	
			--Must be entered.	
			--Must be less than six.	
23	27	Upper	Enter the Upper Contaminant Level to be	N, RJ
		Contaminant	used in the Early Notification Table.	PRE/0
		Level	(ENT)	
			--If entered, must be numeric	
			--If entered, the field 'Upper	
			Contaminant Decimals' must also be	
			entered.	

168.04 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Early Notification Table Input Form	EXHIBIT: REGS.110
PURPOSE: Used to enter Early Notification Table (ENT) information to the system.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
28	28	Upper	Enter the number of decimal places	N
		Contaminant	designated in the 'Upper Contaminant	
		Decimals	Level'. Refer to the fields relating	
			to the 'Lower Contaminant Level/	
			Decimals' for an example of the use of	
			these input fields.	
			--If entered, must be numeric	
			--If entered, must be less than (six)	
			--If entered, the field, 'Upper	
			Contaminant Level' must also be	
			entered.	
79	80	Card Code	The transaction type which will	A/N
			designate this record as data for the	
			Early Notification Table.	
			--Pre-Printed on the form as 'N1'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

168.06 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
8/15/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	WAQC.100
PURPOSE: Determines date appearing on the report and whether or not the Optional Error File (EOF) is produced.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			Processing Options.	
			-Preprinted on the form as "PROC".	
5	10	Date	Enter the desired report date.	N
			-Must be entered.	
			-Enter as MMDDYY where MM is month, DD	
			is day and YY is year.	
11	11	Standard	Enter whether or not a special output	A
		Error	file of error records is to be created.	
		Processing	-Must be entered.	
		Option	-Enter one of the following:	
		Error	Y - Yes, create a special file	
		Records	N - No, do not create a special file.	
12	12	Standard	Enter 'N'.	A
		Error		

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
6/15/78

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.100
PURPOSE: Determines date appearing on the report and whether or not the Optional Error File (EOF) is produced.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

COL FROM	COL TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Processing		
		Option		
		Data		
		Element		
		Errors		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Laboratory Table Input Form (L1)	EXHIBIT: WAQC.101
PURPOSE: Used to create Laboratory Table File (LBT), laboratory information.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Lab ID	Enter the Laboratory Identification	N,PRE/0,
			Code.	RJ
			-Must be entered.	
			-Must be numeric only, fill all five	
			positions.	
6	6		Represents a filler in Card L1.	
			-Preprinted on the form as '9'.	
7	7	Owner Type	Enter the owner type code of the	A/N
			laboratory.	
			-Must be entered.	
			-Must be present on the Code Value	
			Table (CVT).	
8	37	Laboratory	Enter the name of the laboratory.	A/N,LJ
		Name		
38	43	Expiration	Enter the authorized expiration date	N
		Date	of the laboratory for performing	
			water sample analysis.	
			-Enter as month/day/year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Laboratory Table Input Form (L1)	WAQC.101
PURPOSE: Used to create Laboratory Table File (LBT), laboratory information.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must be entered.	
79	80	Card Code	Represents the Card Code.	
			-Preprinted on the form as 'L1'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Laboratory Table Input Form (L2)	EXHIBIT: WAQC.102
PURPOSE: Used to create analysis method information on the Laboratory Table (LBT).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Lab ID	Enter the Laboratory Identification	N,PRE/0,
			Code.	RJ
			-Must be entered.	
			-Must be numeric only, fill all 5	
			positions.	
6	6	Contaminant	Enter the Contaminant Group code -	N
		Group	the first digit of the contaminant	
			ID's in this group.	
			-Must be entered.	
			-Must be one of the following:	
			0 - Turbidity	
			1 - Inorganic Chemicals	
			2 - Organic Chemicals	
			3 - Microbiological	
			4 - Radionuclide	
			9 - Other	
7	9	Authorized	Enter an analysis method code, for	N
		Analysis	the contaminant group entered above,	
		Method	authorized for this laboratory.	
			-Must be entered (first one only).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Laboratory Table Input Form (L2)	EXHIBIT: WAQC.102
PURPOSE: Used to create analysis method information on the Laboratory Table (LBT).	LEGEND: A=Alpha N=Numeric A/N=APHANUMERIC PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must be on the Code Value Table (CVT).	
			-Must have first digit the same as	
			Column 6.	
10	12	Authorized	Enter additional analysis method	N
through		Analysis	codes, as above.	
76	78	Methods	-If entered, must be on the Code	
		Codes	Value Table (CVT).	
			-If entered, must have first digit the	
			same as Column 6.	
79	80	Card Code	Represents the Card Code.	
			-Preprinted on the form as 'L2'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job Update PSF and SAF	EXHIBIT: WAQC.103
PURPOSE: Determines processing options for PSF or SAF updates.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			processing options.	
			-Preprinted on the form as "PROC".	
5	10	Date	Enter the processing (update) date.	N
			-Must be entered.	
			-Enter as month/day/year.	
11	11	Standard	Enter whether or not a special	A
		Error	output file of error records is to	
		Processing	be created.	
		Options:	-Must be entered.	
		Optional	-Enter one of the following:	
		Error File	Y-Yes, create a special output file	
			N-No, do not create a special output	
			file	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job Update PSF and SAF	EXHIBIT: WAQC.103
PURPOSE: Determines processing options for PSF or SAF Updates.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
12	12	Standard	Enter whether only the data	A
		Error	elements in error are to be printed	
		Processing	on the Standard Error File, or all	
		Options:	data elements are to be printed.	
		Print	-Must be entered.	
		Options	-Enter one of the following:	
			Y-Yes, print only the data elements	
			in error	
			N-No, print all data elements	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	WAQC.104
PURPOSE: To determine the sequence in which output files from programs WAQC011,012,016, 017,018,019,040,041,045,050,051,060,061,065, 070,080,090,110,111,112,113 will be sorted.	LEGEND: A=Alpha Numeric A/N=Alphanumeric PRE/0= Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Sort Processing Options.	
			Preprinted on the form as "SORT".	
5	6	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 7-16 in deter-	
			mining the sort of output records or	
			reports. The lowest number deter-	
			mines the first data element to be	
			used in sorting records. The second	
			lowest number determines the next	
			data element to be used in sorting	
			records and so on. Start with Sort	
			Sequence of '01' and continue with	
			'02', '03' in sequence as needed.	

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	WAQC.104
PURPOSE: To determine the sequence in which output files from programs WAQC011,012,016, 017,018,019,040,041,045,050,051,060,061,065, 070,080,090,110,111,112,113 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
7	16	Mnemonic	Enter the Mnemonic Name of the Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
17	17	Sort Mode	Enter 'A' for an ascending sequence or	A
			'D' for a descending sequence for the	
			Data Element specified in Columns	
			7-16. Ascending means that smaller	
			or lower values will be sorted first.	
			Example: 1,2,3,4 or A,B,C.	
			Descending will cause the reverse to	
			occur. Example: Z,Y,X,W.	
18	19	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 20-29 in deter-	
			mining the sort of output records or	
			reports.	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	WAQC.104
PURPOSE: To determine the sequence in which output files from programs WAQC011,012,016, 017,018,019,040,041,045,050,051,060,061,065, 070,080,090,110,111,112,113 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	29	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
30	30	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 20-29.	A
31	32	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 33-42 in determining the sort of output records or reports.	N
33	42	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	WAQC.104
PURPOSE: To determine the sequence in which output files from programs WAQC011,012,016, 017,018,019,040,041,045,050;051,060;061,065, 070,080,090,110,111,112,113 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
43	43	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in	
			Columns 33-42.	
44	45	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 46-55 in deter-	
			mining the sort of output records or	
			reports.	
46	55	Mnemonic	Enter the Mnemonic Name of a Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
56	56	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in Columns	
			46-55.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	WAQC.104
PURPOSE: To determine the sequence in which output files from programs WAQC011,012,016, 017,018,019,040,041,045,050,051,060,061,065, 070,080,090,110,111,112,113 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	58	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 59-68 in deter-	
			mining the sort of output records or	
			reports.	
59	68	Mnemonic	Enter the Mnemonic Name of a Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
69	69	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in	
			Columns 59-68.	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Sample Deletion Transactions Form - PSF	WAQC.105
PURPOSE: Used to delete sample records from the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the Identification Code of the	N,PRE/0,
			Public Water System to which the	RJ
			sample applies.	
			-Must be entered.	
			-Must be on both the Public Water	
			Table (PWT) and the Periodic Sample	
			File (PSF) record to be deleted.	
8	9	Card	Enter the transaction code for	
		Code	deletions.	
			-Preprinted on the form as '01'.	
10	13	Contaminant	Enter the Contaminant Identification	N
		ID	Code of the sample record to be	
			deleted.	
			-Must be entered.	
			-Must be on the Code Value Table (CVT)	
			and the PSF record to be deleted.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Sample Deletion Transactions Form - PSF	EXHIBIT: WAQC.105
PURPOSE: Used to delete sample records from the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Contaminant	Enter the name of the contaminant	A/N
		Name	bearing the Contaminant ID Code	
			entered above.	
			-Not required to be entered.	
			-Not keypunched.	
14	16	Analysis	Enter the 3 digit code of the	N
		Method	analysis method of the sample record	
			to be deleted.	
			-Must be entered.	
			-First digit should be the same as	
			Column 10.	
			-Must be on the PSF record to be	
			deleted.	
17	26	Sample	Enter the 10-digit PSF sample key	N
		Key	of the sample record to be deleted.	
			-Must be entered.	
			-Must be on the PSF record to be	
			deleted.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the Identification Code of the	N,PRE/0,
			Public Water System to which the	RJ
			sample applies.	
			-Must be entered unless preprinted on	
			the form.	
			-Must be on the Public Water Table	
			(PWT).	
8	9	Transaction	Represents the input transaction code	
		Code	for chemical or radiological analysis	
			results.	
			-Preprinted on the form as '03'.	
		Public	The name and mailing address of the	A/N
		Water	Public Water System.	
		System	-Not required to be entered.	
		Name and	-Not entered into the PSF.	
		Address	-Preprinted on Turnaround Documents.	
10	13	Contaminant	Enter the Contaminant Identification	N
		ID	code of the particular chemical or	
			radiological contaminant for which	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			the sample was analyzed.	
			-Must be entered unless preprinted	
			on the form.	
			-Must be present on the Code Value	
			Table (CVT).	
			-Must have first digit of '1' for	
			inorganic chemical contaminants; '2'	
			for organic chemical contaminants;	
			or '4' for radionuclide contaminants.	
		Contaminant	The name of the contaminant bearing	A/N
		Name	the contaminant ID Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
			-Preprinted on Turnaround Documents.	
14	16	Analysis	Enter the 3-digit code of the	N
		Method	method used in analyzing the sample	
			for a particular contaminant.	
			-Must be entered.	
			-Must be present on the Laboratory	
			Table (LBT) for the Lab performing	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
8/20/79

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			this analysis.	
			-Must have first digit matching the	
			first digit of the Contaminant ID	
			(Column 10) entered above.	
17	20	Analysis	Enter the result of the Analysis of the	N,PRE/0,
		Result	sample, expressed in milligrams/liter	RJ
			for chemical samples or Picocuries/liter	
			for radiological samples. For Tritium	
			(CONT-ID 4101) only, the value entered	
			X 1000 is used in the compliance programs.	
			-Must be entered.	
			-Enter significant digits only. (See	
			example below)	
			-If less than the minimum detectable	
			limit, enter that minimum detectable	
			limit unless this requirement is waived.	
21	21	Analysis	Enter the number of decimal places in	N
		Decimals	the Analysis Result above.	
			-Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Example:	
			Actual Analysis Analysis	
			Result Result Decimals	
			2.0 0 0 0 2 0	
			3.65 0 3 6 5 2	
			.003 0 0 0 3 3	
			500 0 5 0 0 0	
22	27	Analysis	Enter the date on which the sample	N
		Date	analysis was performed; or if analysis	
			spanned more than one day, the day on	
			which the sample analysis result was	
			obtained.	
			-Must be entered.	
			-Enter as Month/Day/Year.	
28	30	Location	Enter a unique code for tying a check	A/N
		Code	sample back to the regular sample for	
			which it was taken.	
			-Must be entered for check samples.	
			-Necessary only for regular samples	
			for which check samples will be taken.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
01/15/82

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Location	The name of the location at which	A/N
		Name	the sample was taken.	
			-Not required to be entered.	
			-Not entered into the PSF.	
31	36	Sample	Enter the date on which the sample	N
		Date	was taken.	
			-Must be entered.	
			-Enter as Month/Day/Year.	
37	37	Sample	Enter the type code of the sample taken.	A
		Type	-Must be entered unless preprinted on	
			the form.	
			-Must be 'C','D','P','R','S','M', or 'E'	
			- as shown in the 'Sample Type Key' box	
			on the form. Type 'M' can only be used	
			with contaminant ID '2950'. Type 'E'	
			can only be used when the first digit	
			of contaminant ID is '4'.	
38	41	Sample	Enter the time at which the sample	N,PRE/0,
		Time	was taken.	RJ
			-Must be entered.	
			-Enter using the 24-hour clock format.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Example:	
			5:15 P.M. is entered as 1 7 1 5	
			7:28 A.M. is entered as 0 7 2 8	
42	46	Lab ID	Enter the identification code of the	N,PRE/0,
			Laboratory analyzing the sample.	RJ
			-Must be entered.	
			-Must be a Lab present on the Labora-	
			tory Table (LBT) whose authorized	
			expiration date has not yet passed.	
		Lab Name	The name of the Lab bearing the ID	A/N
			Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
		Sample	Enter the name or initials of the	A/N
		Analyzed	individual performing the sample	
		By:	analysis for the particular contaminant	
			specified in Contaminant ID above.	
			-Not required to be entered.	
			-Not entered into the PSF.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.106/WAQC.400
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Sample	Enter the name or initials of the	A/N
		Collected	individual collecting the sample.	
		By:	-Not required to be entered.	
			-Not entered into the PSF.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE OF

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQC.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the identification code of the	N,PRE/0,
			Public Water System to which the	RJ
			sample applies.	
			-Must be entered unless preprinted on	
			the form.	
			-Must be on the Public Water Table	
			(PWT).	
8	9	Transaction	Represents the input transaction code	
		Code	for bacteriological analysis results.	
			-Preprinted on the form as '05'.	
		Public	The name and mailing address of the	A/N
		Water	Public Water System.	
		System Name	-Not required to be entered.	
		and Address	-Not entered into the PSF.	
			-Preprinted on Turnaround Documents.	
10	13	Contaminant	Enter the Contaminant Identification	N
		ID	Code of the bacteriological or	
			turbidity contaminant for which the	
			sample was analyzed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQC.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must be entered unless preprinted on	
			the form.	
			-Must be present on the Code Value	
			Table (CVT).	
			-Must have first digit of '0' for	
			turbidity contaminants; or '3' for	
			bacteriological contaminants.	
		Contaminant	The name of the contaminant bearing	A/N
		Name	the Contaminant ID Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
			-Preprinted on Turnaround Documents.	
14	16	Analysis	Enter the 3-digit code of the method	N
		Method	used in analyzing the sample.	
			-Must be entered.	
			-Must be present on the Laboratory	
			Table (LBT) for the Lab performing	
			this analysis if analysis is	
			performed by a laboratory.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQC.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must have first digit matching the	
			first digit of the Contaminant ID	
			(Column 10) entered above.	
17	20	Analysis	Enter the result of the analysis of	N,PRE/0,
		Result	the sample, expressed in units	RJ
			appropriate for the analysis method,	
			as follows:	
			Analysis Method Units	
			Membrane Filter Number of Coliform	
			Fermentation Tube Number of Positive	
			10 ml. & 100 ml. Tubes	
			Chlorine Residual Milligrams/liter	
			For Turbidity Number of Turbidity	
			Samples Units	
			-Must be entered.	
			-Enter significant digits only.	
21	21	Analysis	Enter the number of decimal places	
		Decimals	in the Analysis Result above for	
			turbidity and chlorine residual	
			samples.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQC.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Enter '0' for bacteriological	
			samples using membrane filter or	
			fermentation tube method.	
			-Must be entered.	
			Example:	
			Actual Analysis Analysis	
			Result Result Decimals	
			2.0 0 0 0 2 0	
			3.65 0 3 6 5 2	
			.003 0 0 0 3 3	
			500 0 5 0 0 0	
22	27	Analysis	Enter the date on which the sample	N
		Date	analysis was performed; or if the	
			analysis spanned more than one day,	
			the day on which the sample analysis	
			result was obtained.	
			-Must be entered.	
			-Enter as Month/Day/Year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
3/31/80

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQG.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
23	30	Location	Enter a unique code for tying a check	A/N
		Code	sample back to the regular sample for	
			which it was taken.	
			-Must be entered for check samples.	
			-Necessary only for regular samples for	
			which check samples will be taken.	
			-Must be entered to indicate a turbid-	
			ity sample was taken at an entry point.	
			The left-most digit of the location code	
			must be the same character as the entry	
			point ID.	
		Location	The name of the location at which the	A/N
		Name	sample was taken.	
			-Not required to be entered.	
			-Not entered into the PSF.	
31	36	Sample	Enter the date on which the sample was	N
		Date	taken.	
			-Must be entered.	
			-Enter as Month/Day/Year.	
37	37	Sample	Enter the type code of the sample taken.	A
			-Must be entered unless preprinted on	
			the form.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQC.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must be 'C','D','P','R', or 'S' - as	
			shown in the 'Sample Type Key' box	
			on the form.	
38	41	Sample	Enter the time at which the sample	N,PRE/0,
		Time	was taken.	RJ
			-Must be entered.	
			-Enter using the 24-hour clock format.	
			Example:	
			5:15 P.M. is entered as 1 7 1 5	
			7:28 A.M. is entered as 0 7 2 8	
42	46	Lab ID	Enter the Identification Code of the	N
			Laboratory analyzing the sample.	
			-Must be entered for membrane filter	
			and fermentation tube sample analyses.	
			-Must be a Lab present on the Labora-	
			tory Table (LBT) whose authorized	
			expiration date has not yet passed	
			for membrane filter and fermentation	
			tube sample analyses.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/31/80

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Analysis Input Form for PSF	EXHIBIT: WAQC.107/WAQC.401
PURPOSE: Used to enter sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Not necessary for turbidity or	
			chlorine residual samples.	
		Lab Name	The name of the Lab bearing the ID	A/N
			Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
47	61	Location	Enter the name of a specific location	A/N
		Name	from which a bacteriological or	
			turbidity sample was taken.	
62	71	BAC-	Enter any comments about a particular	A/N
		TURB	sample.	
		Comments		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the Identification Code of the	N,PRE/0,
			Public Water System to which the	RJ
			samples apply.	
			-Must be entered unless preprinted	
			on the form.	
			-Must be on the Public Water Table	
			(PWT).	
8	9	Transaction	Represents the input transaction code	
		Code	for Bacteriological or Turbidity	
			Summary analysis results.	
			-Preprinted on the form as '07'.	
		Public	The name and mailing address of the	A/N
		Water	Public Water System.	
		System Name	-Not required to be entered.	
		and Address	-Not entered into the PSF.	
			-Preprinted on Turnaround Documents.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
10	13	Contaminant	The Contaminant ID Code of the	N
		ID	Bacteriological or Turbidity	
			contaminant to which the summary	
			applies.	
			-Must be entered unless preprinted	
			on the form.	
			-Must be present on the Code Value	
			Table (CVT).	
			-Must have first digit of '0' for	
			Turbidity contaminants; or '3' for	
			Bacteriological contaminants.	
		Contaminant	The name of the contaminant bearing	A/N
		Name	the contaminant ID Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
			-Preprinted on Turnaround Documents.	
14	16	Analysis	Enter the 3-digit code of the method	N
		Method	used in analyzing the samples.	
			-Must be entered.	
			-Must be present on the Laboratory	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/12/78

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Table (LBT) for the Lab performing	
			most of the analyses if analysis was	
			performed by a laboratory.	
17	19	Number of	Enter the minimum number of samples	N,PRE/0,
		Samples	required to be taken by the Federal	RJ
		Required	regulations or by the State	
			regulations, whichever is greater.	
20	22	Actual	Enter the actual number of regular	N,PRE/0,
		Number of	samples included in the summary.	RJ
		Samples	-Must be entered.	
		Taken		
			The following represents the sample	
			analysis results expressed for	
			Bacteriological samples in units	
			appropriate for the analysis method	
			as follows:	

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
4/26/79

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Analysis Method Units	
			Membrane Filter Number of Coliform	
			Fermentation Tube Number of Positive	
			10 ml. & 100 ml. Tubes	
			Chlorine Residual milligrams/liter	
			**Important - Of the first three	
			analysis methods (Membrane Filter &	
			Fermentation Tubes) only one may be	
			used per summary sample input form -	
			methods may not be mixed!	
			For Turbidity samples, the following	
			apply to sample analysis results,	
			expressed as the number of Turbidity	
			Units.	
23	26	Sample	Enter the highest single result	N,PRE/0,
		Analysis	obtained from all the sample results	RJ
		Results	included in the average.	
		Highest	-Enter significant digits only.	
			-Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/12/78

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
27	27	Sample	Enter the number of decimal places	N
		Analysis	in the Highest Analysis Result above	
		Results	for Turbidity and Chlorine Residual	
		Highest	samples. Enter '0' for Bacteriological	
		Decimals	Samples using membrane filter or	
			fermentation tube methods (See	
			example below).	
28	31	Sample	Enter the lowest single result	N,PRE/0
		Analysis	obtained from all the sample results	RJ
		Results	included in the average.	
		Lowest	-Enter significant digits only.	
32	32	Sample	Enter the number of decimal places in	N
		Analysis	the Lowest Analysis Result above for	
		Results	Turbidity and Chlorine Residual samples.	
		Lowest	Enter '0' for Bacteriological samples	
		Decimals	using membrane filter or fermentation	
			tube methods (See example below).	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/12/78

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
33	36	Sample	Enter the arithmetic mean (average)	N,
		Analysis	of the analysis results of all the	PRE/0,
		Results	samples comprising the summary.	RJ
		Average	-Must be entered.	
			-Enter significant digits only.	
			(See example below)	
			-For both fermentation tube analysis	
			methods, it is the number of positive	
			tubes divided by the total number of	
			tubes included in the summary. Do not	
			include check samples in this average	
			for Bacteriological results.	
			For turbidity, use only those regular	
			samples below the MCL plus those check	
			samples used to replace regular samples	
			which exceeded the MCL to compute the	
			monthly average.	
37	37	Sample	Enter the number of decimal places	N
		Analysis	in the Average Analysis Result above.	
		Results		
		Average		
		Decimals		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/31/80

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Example:	
			Actual Average Result / Average Analysis Result / Average Analysis Decimals	
			1.0 / 0 0 0 1 / 0	
			3.95 / 0 3 9 5 / 2	
			.987 / 0 9 8 7 / 3	
			.09 / 0 0 0 9 / 2	
38	41	Federal MCL Violations	Enter the number of single samples violating the Federal MCL for coliform or turbidity.	N, PRE/0, RJ
			-Necessary only if the Federal MCL was violated. Must be entered.	
			-If no violation, enter zeros.	
			-For bacteriological samples, enter the number of regular samples requiring check samples.	
			-For turbidity samples, enter the number of times that two samples exceed the two day consecutive average MCL.	
42	45	State MCL Violations	Enter the number of single samples violating the State MCL for coliform or	N, PRE/0 RJ

207 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/31/80

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			turbidity.	
			-Must be entered only if the State MCL	
			was violated.	
			-If no violation, enter zeros.	
			-For bacteriological samples, enter the	
			number of regular samples requiring	
			check samples.	
			-For trubidity samples, enter the number	
			of times that two samples exceed the	
			two day consecutive average MCL.	
46	48	Longest	Enter the duration, expressed in days,	N,PRE/0,
		Violation	of the longest outstanding violation of	RJ
		Duration	Federal or State regulations, whichever	
			is greater.	
			-Enter only if there is an outstanding	
			violation. If Federal MCL violations	
			and State MCL violations are zero,	
			enter zero.	
49	54	Sample	Enter the starting date of the period	N
		Period	during which samples are required to	
		Start	be taken.	
			-Must be entered.	

207.1 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/31/80

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Enter as Month/Day/Year.	
			(Continued on next page.)	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/12/78

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
55	60	Sample	Enter the ending date of the sample	N
		Period End	period mentioned above.	
			-Must be entered.	
			-Enter as Month/Day/Year.	
61	61	Sample	Enter the type code of the samples	A
		Type	taken.	
			-Must be entered.	
			-Must be 'C','D','P','R', or 'S' -	
			as shown in the 'Sample Type Key'	
			box on the form. System will only	
			process types 'C' and 'D' for compliance.	
62	67	Last	Enter the date on which the last	N
		Sample	sample of the period was taken.	
		Date	-Must be entered.	
			-Enter as Month/Day/Year.	
68	72	Lab ID	Represents the Identification Code of	N
			the Laboratory analyzing the most	
			samples of the summary sample group.	
			-Must be entered for membrane filter	
			and fermentation sample analyses.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must be a Lab present on the Labora-	N
			tory Table (LBT) whose authorized	
			expiration date has not yet passed	
			for membrane filter and fermentation	
			tube sample analyses.	
		Lab Name	The name of the Lab bearing the ID	A/N
			Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
73	73	Federal	Enter whether or not check samples	A
		Check	were taken in a manner and quantity	
		Samples	to satisfy Federal regulation	
		Taken	requirements.	
			-Necessary only if check samples were	
			required to be taken.	
			-If entered, must be one of the	
			following:	
			Y - Yes, met or exceeded Federal	
			check sampling requirements.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/8/78

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAQC.108/WAQC.402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			N - No, did not meet Federal check	
			sampling requirements.	
74	74	State	Enter whether or not check samples	A
		Check	were taken in a manner and quantity	
		Samples	to satisfy State regulations.	
		Taken	-Necessary only if check samples were	
			required to be taken.	
			-If entered, must be 'Y' or 'N' as	
			above but in terms of State	
			requirements.	
75	77	Actual	Represents the actual number of check	N,PRE/0,
		Number	samples taken.	RJ
		Taken	-Must be entered.	
78	78	Public	Indicates whether or not the public	A
		Notified	was notified, in the event of a	
			violation.	
			-Enter only if there was a	
			violation which required Public	
			notification	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Bacteriological and Turbidity Summary Analysis Input Form	EXHIBIT: WAOC 108/WAOC 402
PURPOSE: Used to enter summary sample data for Bacteriological and Turbidity contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-If entered, must be one of the	
			following:	
			Y - Yes, the Public was notified.	
			N - No, the Public was not notified.	
79	79	State	Indicates whether or not the State was	A
		Notified	notified, in the event of a violation.	
			-Enter only if there was a	
			violation which required State	
			notification.	
			-If entered, must be one of the	
			following:	
			Y - Yes, the State was notified.	
			N - No, the State was not notified.	
80	80	Entry	-A code which allows a sample to be	
		Point	identified with a specific entry point	
		Location	within the PWS.	
		Code	-If entered, must be alpha or numeric.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
2/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the Identification Code of the	N,PRE/0,
			Public Water System to which the	RJ
			sample applies.	
			-Must be entered unless preprinted on	
			the form.	
			-Must be on the Public Water Table	
			(PWT).	
8	9	Transaction	Represents the input transaction code	
		Code	for chemical or radiological analysis	
			results.	
			-Preprinted on the form as '09'.	
		Public	The name and mailing address of the	A/N
		Water	Public Water System.	
		System	-Not required to be entered.	
		Name and	-Not entered into the PSF.	
		Address		
10	13	Contaminant	Enter the Contaminant Identification	N
		ID	code of the particular chemical or	
			radiological contaminant for which	

212 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
2/28/91

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			the sample was analyzed.	
			-Must be entered	
			-Must be present on the Code Value	
			Table (CVT).	
			-Must have first digit of '1' for	
			inorganic chemical contaminants; '2'	
			for organic chemical contaminants;	
			or '4' for radionuclide contaminants.	
		Contaminant	The name of the contaminant bearing	A/N
		Name	the contaminant ID Code entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
14	16	Analysis	Enter the 3-digit code of the method	N
		Method	used in analyzing the sample for a	
			particular contaminant.	
			-Must be entered.	
			-Must be present on the Laboratory	
			Table (LBT) for the Lab performing	

212.01 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			this analysis.	
			-Must have first digit matching the	
			first digit of the Contaminant ID	
			(Column 10) entered above.	
17	17	Analysis	Enter the sign of the analysis result	A/N
		Result Sign	of the sample. The acceptable values	
			for this field are '<' (less than),	
			'>' (greater than), '-' (negative), and	
			'+' (positive). The '<' and '>' symbols	
			will not be used as significant during	
			compliance determination. The negative	
			analysis result will only be valid for	
			radiological analysis.	
18	21	Analysis	Enter the result of the Analysis of the	N,PRE/0,
		Result	sample, expressed in milligrams/liter	RJ
			for chemical samples or Picocuries/liter	
			for radiological samples. For Tritium	
			(CONT-ID 4101) only, the value entered	
			X 1000 is used in the compliance	
			programs.	

212.02 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			-Must be entered.	
			-Enter significant digits only. (See	
			example below)	
			-If less than the minimum detectable	
			limit, enter that minimum detectable	
			limit unless this requirement is waived.	
22	22	Analysis	Enter the number of decimal places in	N
		Decimals	the Analysis Result above and the	
			Analysis Result precision below.	
			-Must be entered.	
			Example:	
			Actual Analysis Analysis	
			Result Result Decimals	
			2.0 0 0 0 2 0	
			3.65 0 3 6 5 2	
			.003 0 0 0 3 3	
			500 0 5 0 0 0	
23	26	Analysis	Enter a positive integer stipulating	N,PRE/0,
		Result	that the analysis result is to be	RJ
		Precision	expressed as a range.	

212.03 (R)

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Example:	
			Analysis Result Dec. Prec Low Range High Range	
			0022 1 ± 0004 1.8 2.6	
			-only valid for radiological analyses.	
			-the analysis decimal field will also	
			apply to the precision field.	
			-the actual analysis result will be	
			used for compliance determination.	
27	32	Analysis	Enter the date on which the sample	N
		Date	analysis was performed; or if analysis	
			spanned more than one day, the day on	
			which the sample analysis result was	
			obtained.	
			-Must be entered	
			-Enter as Month/Day/Year.	
33	35	Location	Enter a unique code for tying a check	A/N
		Code	sample back to the regular sample for	
			which it was taken.	
			-Must be entered for check samples.	
			-Necessary only for regular samples	

212.04 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			for which check samples will be taken.	
		Location	The name of the location at which	A/N
		Name	the sample was taken.	
			-Not required to be entered.	
			-Not entered into the PSF.	
36	41	Sample	Enter the date on which the sample	N
		Date	was taken.	
			-Must be entered.	
			-Enter as Month/Day/Year.	
42	42	Sample	Enter the type code of the sample	A
		Type	taken.	
			-Must be entered unless preprinted on	
			the form.	
			-Must be 'C', 'D', 'P', 'R', 'S', 'M' or	
			'E' - as shown in the 'Sample Type Key'	
			box on the form. System will only	
			process types 'C', 'D', 'M', and 'E'	
			for compliance.	

212.05 (R)

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
43	46	Sample Time	Enter the time at which the sample was	N,PRE/0,
			taken.	RJ
			-Must be entered.	
			-Enter using the 24-hour clock format.	
			Example:	
			5:15 P.M. is entered as 1 7 1 5	
			7:28 A.M. is entered as 0 7 2 8	
47	51	Lab ID	Enter the identification code of the	N,PRE/0,
			Laboratory analyzing the sample.	RJ
			-Must be entered.	
			-Must be a Lab present on the Laboratory	
			Table (LBT) whose authorized expiration	
			date has not yet passed.	
		Lab Name	The name of the Lab bearing the ID Code	A/N
			entered above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
		Sample	Enter the name or initials of the	A/N
		Analyzed	individual performing the sample	

212.06 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
02/28/81

SOURCE DOCUMENT NAME: Chemical and Radiological Analysis Input Form for PSF	EXHIBIT: WAQC.109
PURPOSE: Used to enter sample data for Chemical and Radiological contaminants into the Periodic Sample File (PSF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		By:	analysis for the particular contaminant	
			specified in Contaminant ID above.	
			-Not required to be entered.	
			-Not entered into the PSF.	
		Sample	Enter the name or initials of the	A/N
		Collected	individual collecting the sample.	
		By:	-Not required to be entered.	
			-Not entered into the PSF.	

212.07 (R)

MODEL STATE INFORMATION SYSTEM

Binder 20 **DATA ENTRY INSTRUCTIONS**
02/28/81

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			(This page was intentionally left blank.)	

212.08 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Sample Deletion Transaction Form - SAF	WAQC.110
PURPOSE: Used to delete records from the Sample Analysis File (SAF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the Identification Code of the	N,PRE/0,
			Public Water System to which the	RJ
			sample applies.	
			-Must be entered.	
			-Must be on both the Public Water	
			Table (PWT) and the Sample Analysis	
			File (SAF) record to be deleted.	
8	9	Card	Represents the Transaction code for	
		Code	deletions.	
			-Preprinted on the form as '99'.	
10	13	Contaminant	Enter the Contaminant Identification	N
		ID	Code of the sample record to be	
			deleted.	
			-Must be entered.	
			-Must be on the Code Value Table (CVT)	
			and the SAF record to be deleted.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Sample Deletion Transaction Form - SAF	WAQC.110
PURPOSE: Used to delete records from the Sample Analysis File (SAF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Contaminant	Enter the name of the contaminant	A/N
		Name	bearing the contaminant ID code	
			entered above.	
			-Not required to be entered.	
			-Not entered into the SAF.	
14	16	Analysis	Enter the 3 digit code of the	N
		Method	analysis method of the sample record	
			to be deleted.	
			-Must be entered.	
			-Must be on the SAF record to be	
			deleted.	
			-First digit should be the same as	
			Column 10.	
17	26	Sample	Enter the 10 digit SAF sample key of	N
		Key	the sample record to be deleted.	
			-Must be entered.	
			-Must be on the SAF record to be	
			deleted.	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	WAQC.111
PURPOSE: Determine processing options for WAQC005, WAQC011, WAQC013, and WAQC125.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			processing options.	
			Preprinted on the form as 'PROC".	
5	10	Date	Enter the current date.	N
			Must be entered as MMDDYY where MM is	
			the month, DD is the day, and YY is the	
			year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE OF

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options - Sample Analysis File	WAQC. 113
PURPOSE: Determine processing options for job of purging records from the Sample Analysis File (SAF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the card identifier for processing options. -Preprinted on the form as "PROC".	
5	10	Current Date	Represents the current date. Must be entered as MMDDYY where MM is month, DD is day, and YY is the year.	N
14	19	Purge Date	Represents the purge date for contaminant group 0. Must be entered as MMDDYY where MM is month, DD is day, and YY is year if records for the contaminant group are to be purged, otherwise leave blank. Purges up to but not including the entered date.	N
20	20	Contaminant Group	Represents the contaminant group to be purged. -Preprinted on the form, as '0'.	
21	26	Purge	Represents the purge date for	N

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options - Sample Analysis File	WAQC. 113
PURPOSE: Determine processing options for job of purging records from the Sample Analysis File (SAF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede RJ=Right Justify LJ= Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Date	contaminant group 1.	
			Must be entered as MMDDYY where MM is	
			the month, DD is the day, and YY is	
			the year if records for the contaminant	
			group are to be purged, otherwise	
			leave blank. Purges up to but not	
			including the entered date.	
27	27	Contaminant	Same as card column 20.	
		Group	-Preprinted on the forms as '1'.	
28	33	Purge	Represents the purge date for	N
		Date	contaminant group 2.	
			Must be entered as MMDDYY where MM is	
			the month, DD is the day, and YY is the	
			year if records for the contaminant	
			group are to be purged, otherwise	
			leave blank. Purges up to but not	
			including the entered date.	
34	34	Contaminant	Same as card 20.	
		Group	-Preprinted as '2' on the forms.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options - Sample Analysis File	WAQC. 113
PURPOSE: Determine processing options for job of purging records from the Sample Analysis File (SAF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
35	40	Purge Date	Represents the purge date for contaminant group 3. Must be entered as MMDDYY where MM is the month, DD is the day, and YY is the year if records for the contaminant group are to be purged, otherwise leave blank. Purges up to but not including the entered date.	N
41	41	Contaminant Group	Same as card column 20. -Preprinted on the forms as "3".	
42	47	Purge Date	Represents the purge date for contaminant group 4. Must be entered as MMDDYY where MM is the month, DD is the day, and YY is the year if records for the contaminant group are to be purged, otherwise leave blank. Purges up to but not including the entered date.	N
48	48	Contaminant Group	Same as card column 20. -Preprinted on the forms as "4".	

Binder 20 2/27/78

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options - Sample Analysis File	WAQC. 113
PURPOSE: Determine processing options for job of purging records from the Sample Analysis File (SAF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
49	49	Purge	Represents whether or not a Purged	A
		Report	Report is to be created.	
		Processing		
		Option	Must be entered.	
			Y = Yes, print all purged records.	
			N = No, do not produce purged report.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/29/79

SOURCE DOCUMENT NAME: Processing Options for Job:	EXHIBIT: WAQC.114
PURPOSE: To determine the Processing Options for the Sample Scheduling process	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			identification assigned by Computer	
			operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Processing Options.	
			-Preprinted on the form as 'PROC'.	
5	10	Date	Enter the processing date in the format	N
			MMDDYY. Scheduling processing will	
			be for the compliance periods beginning	
			on or after this date for each respec-	
			tive contaminant group. When the com-	
			pliance period begin date for a contam-	
			inant group is not after the previously	
			scheduled period, scheduling will not	
			be processed unless 'rerun' or 'resched-	
			ule' is specified.	
			- Must be entered	
			- Enter as month/day/year	
14	14	Scheduling	Enter a 'Y' if the job is a rerun else	A

MODEL STATE INFORMATION SYSTEM

Binder 20
5/29/79

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job:	EXHIBIT: WAOC.114
PURPOSE: Used to determine The Processing Options for the Sample Scheduling process	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Rerun	enter an 'N' or leave blank. The Rerun	
		Option	Option is to be used when all or part	
			of the compliance periods indicated by	
			the proc date have been scheduled before	
			and all contaminant groups are to be	
			scheduled during this run. If not a	
			rerun, enter an 'N' or leave blank. If	
			not entered, a default of 'N' is assumed.	
15	15	Monthly	Enter a 'Y' if Monthly Operations Report	A
		Operations	Update Forms for the next month are	
		Report	desired for those Public Water Systems	
		Option	required to submit the Monthly Opera-	
			tions Report. If 'Y' is entered, the	
			month scheduled will be the next one	
			after the Date, Columns 5-10. If the	
			Update Forms are not desired, enter a	
			'N' or leave blank. If not entered, a	
			default of 'N' is assumed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

APR 17 '78 Binder 20

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.115
PURPOSE: Used to determine Processing Options for Programs WAQC015 and WAQC100.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job identifi-	
			cation as assigned by computer opera-	
			tions or scheduling.	
1	4	Card ID	Represents the card identifier for	
			processing options.	
			Preprinted on the form as 'PROC'	
5	10	Current	Enter the current date.	
		Date	Enter as MMDDYY where MM is month,	
			DD is day, and YY is year.	
			Must be entered	
			Enter as month/day/year	
14	19	From	Enter the desired selection period	N
		Date	start date within which the	
			contaminant group(s) are to be	
			selected.	
			Must be entered	
			Enter as month/day/year	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
APR 26 '73

SOURCE DOCUMENT NAME: Processing Options for Job:	EXHIBIT: WAQC.115
PURPOSE: Used to determine Processing Options for Programs WAQC015 and WAQC100.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	25	To Date	Enter the desired selection period	N
			ending date within which the	
			contaminant group(s) are to be	
			selected.	
			Must be entered	
			Enter as month/day/year	
26	26	Contaminant	Enter a 'Y' if records in the	A
		Group '0'	Turbidity Contaminant Group are	
			to be selected. If no selection is	
			desired enter'N'.	
27	27	Contaminant	Enter a 'Y' if records in the	A
		Group '1'	Inorganic Chemical Contaminant Group	
			are to be selected. If no selection	
			is desired enter 'N'.	
28	28	Contaminant	Enter 'Y' if records in the Organic	A
		Group '2'	Chemical Contaminant Group are to be	
			selected. If no selection is desired,	
			enter 'N'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
APR 26 '73

SOURCE DOCUMENT NAME: Processing Options for Job:	EXHIBIT: WAQC.115
PURPOSE: Used to determine Processing Options for Programs WAQC015 and WAQC100.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTION
29	29	Contaminant Group '3'	Enter 'Y' if records in the Bacteriological Contaminant Group are to be selected. If no selection is desired, enter 'N'.	A
30	30	Contaminant Group '4'	Enter a 'Y' if records in the Radiological Contaminant Group are to be selected. If no selection is desired, enter 'N'.	A
31	31	Summary OR List Chemical	Enter an 'S' if only summaries of chemical sample data are to be shown on reports. Enter an 'L' if a list of every sample is to be shown along with the summary. The last detail sample will be shown with the summary if 'S' is used. -Must be entered if Column 27 and/or Column 28 contain 'Y'.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
APR 26 '71

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.115
PURPOSE: Used to determine Processing Options for Programs WAQC015 and WAQC100.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

COL. FROM	COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
32	32	Summary OR	Enter an 'S' if only summaries	A
		List	of radiological sample data are to	
		Radio-	be shown on reports. Enter an 'L'	
		logical	if a list of every sample is to shown	
			along with the summary. The last	
			detail sample will be shown with the	
			summary if 'S' is used.	
			-Must be entered if Column 30	
			contains a 'Y'.	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
APR 28 '73

SOURCE DOCUMENT NAME: Selection Form - Definition of Data Elements	EXHIBIT: WAOC 116
PURPOSE: To determine the records to be selected from the Sample Analysis File (SAF), Periodic Sample File (PSF), or Violations File (VIF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Prece LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the Card Identifier for	
			the data element selection form.	
			Preprinted on the form as "SEL1".	
5	14	Data	Enter the mnemonic name of the data	A/N,LJ
		Element	element which will be used to	
		Mnemonic	determine record selection.	
		Name	Must be entered.	
15	29	Data	Enter the value for the previously	A/N,LJ
		Element	specified data element which will	
		Comparative	be used to determine record	
		Value	selection.	
30	31	Data	Enter a two digit number. This	N
		Element	number must be unique for each	
		Logic ID	SEL1 record. Valid numbers are	
		Number	1-35. The number associates the	
			SEL1 record with the logic defined	
			on the SEL2 record.	
		NOTE: For	further explanation review the examples	
		detailed in	the Users Manual.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20

SOURCE DOCUMENT NAME: Selection Form - Definition of Logic for Selection	EXHIBIT: WAQC 117
PURPOSE: To determine the selection logic to be used for the Sample Analysis File (SAF), Periodic Sample File (PSF), or Violations File (VIF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Prece RJ=Right Justify Zer LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the Card Identifier for	
			Logic Selection.	
			Preprinted on the form as "SEL2".	
5	6	Relation	Enter one of the valid Relation	A
		Symbol	Symbols defined on the input form.	
			This symbol is a logical operator	
			and defines the desired relationship	
			between the Data Element and the	
			Comparative Value defined on the Data	
			Element Definition Form (SEL1). The	
			Data Element Logic ID number associ-	
			ates the relation symbols to the	
			proper Data Element.	
			Only enter if there is a corre-	
			sponding "SEL1" entry which has been	
			defined.	
7	74		Same as Columns 5-6.	A
		NOTE: For	further explanation review the examples	
		detailed in	the Users Manual.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	WAQC.118
PURPOSE: Determine the standard error and history processing options for job of updating the Violations File (VIF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job identification as assigned by computer operations or scheduling.	
1	4	Card ID	Represents the card identifier for processing options. -Preprinted on the form as "PROC".	
5	10	Date	Enter the current date. Must be entered as MMDDYY, where MM is the month, DD is the day and YY is the year.	N
11	11	Standard Error Processing Options - Error Records	Enter 'Y' if a special error file is to created. Enter 'N' if no special error file is to be created.	A
12	12	Standard Error Processing	Enter 'Y' if only data elements in error are to be printed. Enter 'N' if all data elements are to be	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.118
PURPOSE: Determine the standard error and history processing options for job of updating the Violations File (VIF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Options -	printed.	
		Data Elem.		
		Errors		
13	13	Standard	Enter the appropriate code for the	N
		History	Standard History processing as defined	
		Processing	below:	
		Options	-Enter '1' if only new Standard History	
			File records are to be printed.	
			-Enter '2' if all the Standard History	
			File records which were ever created	
			are to be printed.	
			-Enter '3' if the entire Standard	
			History File is to be printed.	
			-Enter '4' if no report is to be	
			printed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
11/15/79

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	WAQC. 119
PURPOSE: This transaction is used to create a new Violations File (VIF) record.	LEGEND: A= Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Violation Identification	Enter the 5-digit Violation identification number. The first must be '0'. Must be entered.	N
6	7	Card Code	Represents the transaction code. Preprinted on the form as '00'.	
8	8	Record Creation	Enter a 'Y' if creating a record; otherwise leave blank.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
3/31/80

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	WAOC. 119
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Violation Identification	Enter the 5-digit Violation Identification number. Must be entered. Note: Manually entered violations range from 00001 to 09999. Computer generated violations range from 10000 to 99999.	N
6	7	Card Code	Represents the transaction code. Preprinted on the form as '01'.	
8	14	PWS ID	Enter the 7-digit identification number of the Public Water System to which the sample applies. Must be entered.	N, RJ PRE/0
15	16	Regulation Level	Enter the type and level of the regulation violated. Valid entries are: FP-Federal/Primary SP-State/Primary FS-Federal/Secondary SS-State/Secondary Must be entered. NOTE: Only "SP" violations are placed on the DVF file which is created by the FEDR subsystem.	A
17	20	Contaminant ID	Enter the four-digit Contaminant identification number of the contaminant	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
11/15/79

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.119
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			associated with the violation, if any.	
			This must be a valid contaminant ID	
			code on the Code Value Table. Must be	
			entered.	
21	25	Lab ID	Enter the identification code of the	A/N
			laboratory which analyzed the sample(s)	
			in violation, if applicable. This must	
			be a valid Lab-ID on the Laboratory	
			Table (LBT). Not required of nephelo-	
			metric and chlorine residual analysis	
			methods.	
26	31	Sample	For bacteriological and turbidity, if	N
		Date	this is a single sample MCL violation,	
			enter the actual date of the sample; if	
			it is a monthly average MCL violation,	
			enter the date of the beginning of the	
			sampling period. For all other contami-	
			nants, enter the date on which the sam-	
			ple in violation was taken. Must be	
			entered as MMDDYY where MM is the month,	
			DD is the day, and YY is the year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
1/30/80

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.119
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
32	35	Samples Number Required	Enter the number of samples which were required to be taken according to the Regulations governing the monitoring of the contaminant associated with the violation. Use for sampling violations only.	N, RJ, PRE/0
36	39	Samples Number Taken	Enter the actual number of samples which were taken for the contaminant associated with the violation. Use for sampling violations only.	N, RJ, PRE/0
40	42	Analysis Method	Enter the code of the analysis method used to analyze the sample in violation. This code must reference an approved analysis method for the Laboratory in the Laboratory Table (LBT) also must be in Code Value Table. Must be entered.	A/N
43	47	Analysis Result	Enter the 5-digit analysis result of the sample in violation.	N, RJ, PRE/0
48	48	Analysis Decimals	Enter the number of fractional decimal places designated in the Analysis Result. For example, if the result was 23.45,	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
11/15/79

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.119
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			then enter 02345 in the Analysis Result	
			field and enter 2 in the Analysis Deci-	
			mal field.	
49	54	Analysis	Enter the date on which the analysis was	N
		Date	performed. Should be entered as MMDDYY	
			where MM is the month, DD is the day,	
			and YY is the year. If this is a	
			monthly average violation for bacterio-	
			logical or turbidity type 02, this field	
			can be left blank.	
55	60	Sampling	Enter the last date of the current sam-	N
		Cutoff	pling compliance period. Should be	
		Date	entered as MMDDYY where MM is the month,	
			DD is the day, and YY is the year.	
61	75	Entry	Enter the name of the entry point associ-	A/N
		Point	ated with the violations, if any, or	
		Name	blanks, if not an entry point. Can only	
			be entered for turbidity violations.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
11/15/79

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	WAQC.119
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
76	76	Entry Point ID	Enter the identification code for the entry point associated with the violation, if any, or blank if not an entry point. The entry point ID should be specified on the PWF record for the PWS and can only be entered for turbidity violations.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.120
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0 Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Violation Identification	Enter the 5-digit Violations identification number. Must be entered.	N
6	7	Card Code	Represents the transaction code. Preprinted on the form as '02'.	
8	9	Violation Type	Enter a 2-digit code identifying the type of violation. This must be a valid violation type code on the Code Value Table. Must be entered.	N, RJ, PRE/0
10	15	Violation Date	If this is an MCL violation of Bacteriological or turbidity contaminants, enter the date of the beginning of the sampling period. If this is an MCL violation of chemical contaminants and there were no check samples taken to verify the MCL violation, enter the date the initial sample was taken. If there were check samples taken for the chemical MCL violation, enter the date that	N

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	WAQC.120
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LF=Left Justify PRE/0 Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			The last check sample was taken. If	
			this is a sampling violation, enter the	
			date of the beginning of the sampling	
			period. Must be entered as MMDDYY where	
			MM is the month, DD is the day, and YY	
			is the year. Must be entered.	
16	20	MCL Vio-	Enter the Maximum Contaminant Level	N, RJ,
		lated	(MCL) identified by the Regulations,	PRE/0
			the State, or as a condition of a Vari-	
			ance, Exemption, or Enforcement Action	
			which was violated, if applicable.	
21	21	MCL Vio-	Enter the number of fractional decimal	N
		lated	places designated in MCL violated. For	
		Decimals	example, if the MCL violated was 23.45,	
			then enter 02345 in the MCL violated	
			field and enter 2 in the MCL violated	
			decimal field.	
22	24	Sampling	Enter the sampling frequency require-	N, RJ,
		Frequency	ment which was violated, if applicable.	PRE/0

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.120
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		Violated	Enter the value in hours (24) for	
			turbidity sampling frequency, otherwise	
			enter the value in months.	
25	28	Number	Enter the number of samples which vio-	N, RJ,
		Samples	lated the Maximum Contaminant Level	PRE/0
		Violated	(MCL), if applicable. Use only for MCL	
			violations.	
29	31	Violation	Enter the duration, in months, of the	N, RJ,
		Duration	violation.	PRE/0
32	32	Notify	Enter 'Y' if the Public was notified	A
		Public	of the violation. Enter 'N' if the	
			Public was not notified of the violation.	
33	33	Notify	Enter 'Y' if the State was notified of	A
		State	the violation. Enter 'N' if the State	
			was not notified of the violation.	
34	34	Sample	Enter the type of sample associated	A
		Type	with the violation. Use one of the	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.120
PURPOSE: This transaction is used to update information on an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			following if applicable. C=Check	
			sample P=Plant Tap Water Sample	
			D=Regular Distribution Sample R=Raw	
			Water Sample S=Special Sample	
35	44	Sample Key	Enter the ten (10) digit sample key	N
			which uniquely identifies the sample	
			associated with the violation on the	
			Periodic Sample File (PSF).	
45	50	Date Last	Enter the date on which the last	N
		Report	monthly operation report was submitted.	
			Should be entered as MMDDYY where MM is	
			the month, DD is the day, and YY is the	
			year. If no report has ever been sub-	
			mitted, enter the effective date of the	
			Regulation.	
51	52	Time Since	Enter the number of months elapsed	N, RJ,
		Last	since the last monthly operation	PRE/0
		Report	report was submitted.	

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MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
3/28/79

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.121
PURPOSE: To determine the Processing Options for Programs WAQC025 through WAQC038	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job identification assigned by computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for Processing Options. Preprinted on the form as "PROC".	
5	10	Processing Date	Enter the current date for this job.. Use the format MMDDYY, where MM is the month, DD is the day and YY is the year. Must be entered.	N
11	12	Processing Lag Time	Enter the Lag Time, the time delay between the end of a compliance cycle and the processing of that cycle, expressed in days. This time delay includes the mailing time, the analysis time, and data entry time (i.e., the time it takes to get all the data for a compliance period into the system). If not entered, a default value of fifteen (15)	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
11/15/79

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.121
PURPOSE: To determine the Processing Options for Programs WAQC025 through WAQC038	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			is assumed.	
13	14	Bact/	Enter the day of the month or quarter	N
		Turbidity	on which the Compliance Cycle begins	
		Compliance	for samples which are to be processed	
		Cycle	for Bacteriological and Turbidity	
			Violations. If not entered, a default	
			value of '01' is assumed. For PWS's	
			monitoring on a quarterly basis for	
			bacteriological contamination a value	
			of '01' should be entered. The value	
			entered must be in the range from '01'	
			to '28'.	
15	17	Inorganic	Enter the Annual Average Daily Maximum	N
		Chemicals	Air Temperature to be used in process-	
		Average	ing Inorganic Chemical violations when	
		Daily	no value is present in the Public Water	
		Maximum	File record. Must be entered, in	
		Air	accordance with section 141.11(c) of	
		Temperature	the National Interim Primary Drinking	
			Water Regulations - Part IV.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
10/25/78

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.121
PURPOSE: To determine the Processing Options for Programs WAQC025 through WAQC039	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Enter as two decimal digits followed by	
			one decimal fraction. Example:	
			78.6 degrees is entered as 7 8 6,	
			80 degrees is entered as 8 0 0.	
18	18	Units	The units of measurement used in the air	A
			temperature above. Enter 'F' for	
			Fahrenheit or 'C' for Celsius.	
			Must be entered.	
19	24	Organic	Enter the start date of the sampling	N
		Chemical	season for Organic Chemicals to be used	
		Seasonal	in processing violations when no season-	
		Sampling	al dates are present in the Public	
		'From'	Water File record. Use the format	
		Date	MMDDYY, where MM is the month, DD is	
			the day, and YY is the year.	
			Must be entered in accordance with	
			section 141.24(a)(1) of the National	
			Interim Primary Drinking Water	
			Regulations - Part IV.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
10/25/78

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: WAQC.121
PURPOSE: To determine the Processing Options for Programs WAQC025 through WAQC039	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
25	30	Organic Chemical Seasonal Sampling 'Until' Date	Enter the ending date of the Sampling Season for Organic Chemicals to be used in processing violations when no Seasonal Dates are present in the Public Water File record. Use the format MMDDYY, where MM is the month, DD is the day, and YY is the year. Must be entered, in accordance with section 141.24(a)(1) of the National Interim Primary Drinking Water Regulations - Part IV.	N
31	34	Operations Report Processing Period Month	Enter the month for which Monthly Operations Report violations are to be processed. Use the format MMYY, where MM is the month and YY is the year. If not entered, Operations Report Violations are not processed.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
10/25/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	WAQC.121
PURPOSE: To determine the Processing Options for Programs WAQC025 through WAQC039	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	DATA ELEMENT MNEMONIC NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
35	35	Periodic Sample-File Retain Code	Enter a '0' if no records are to be retained. Enter a '1' only if Bacteriological records are to be retained. Enter a '2' only if Turbidity records are to be retained. Enter a '3' if both Bacteriological and Turbidity records are to be retained. If not coded no records will be retained.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.122
PURPOSE: To update the abstract portion of a Violation record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	DATA ELEMENT MNEMONIC NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Violation Identification	Enter the Violation ID number of the record to be updated.	N
6	7	Card Code	Represents the transaction code printed on the form as "03".	N
8	8	Card Number	Enter a number to indicate the sequence of the entries. Legal values are 1 to 3.	N
9	58	Abstract	Enter a description of the violation or of any enforcement action activities associated with the violation. Use fifty characters per record. No more than three records may be used to enter the entire abstract.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.123
PURPOSE: To update the Enforcement Actions portion of a violation record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Violation Identification	Enter the violation ID number of the record to be updated.	N
6	7	Card Code	Represents the transaction code. Preprinted on the form as "04".	N
8	8	Status Code DED #449	Enter the legal status of any enforcement action taken in connection with the violation. Valid legal status codes are found on the Code Value Table. Any violation record may contain up to six status codes. If a Status Code is entered then a corresponding action date must also be entered.	A/N
9	14	Action Date	Enter the date that corresponds to the preceeding status code. This is the date that the status was achieved. To enter this date use the format MMDDYY.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.123
PURPOSE: To update the Enforcement Actions portion of a violation record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
15	15	Status Delete	Enter a "Y" if you wish to delete the preceeding status code and Action Date. If an entry is made in this field then there must be a corresponding Status Code and Action Date.	A
16	17	Milestone Code DED# 454	Enter any enforcement action milestone that was attained by the public water supply in connection with this violation. If entered, the code must be one of the valid milestone codes in the "MS" code value table. You may enter up to three milestones for each violation. If entered, then a corresponding milestone date must also be entered.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.123
PURPOSE: To update the Enforcement Actions portion of a violation record.	LEGEND: A=Alpha N-Numeric A/N=Alphanumeric RJ-Right Justify LJ=Left Justify PRE/0-Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
18	23	Milestone Date	Enter the date on which the milestone was attained. Use the format MMDDYY. Only enter if the preceeding milestone code field was entered.	N
24	24	Milestone Delete	Enter a "Y" if you wish to delete the preceeding milestone code and milestone date. If an entry is made in this field then there must be corresponding entries in milestone code and milestone date.	A

248.5 (R)

MODEL STATE INFORMATION SYSTEM

DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			This page intentionally left blank.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Sampling Scheduling Input Form	WAQC.124
PURPOSE: Used to determine what sample schedule output is to be produced for each Public Water System (PWS), for Program WAQC130	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS-ID	Enter the Public Water System (PWS)	N, RJ,
			identifcation Number for the PWS to	PRE/0
			be scheduled.	
			Must be entered.	
8	8	Turbidity	Enter a 'Y' if Turbidity samples are	A
			to be scheduled for this PWS. If	
			Turbidity scheduling is not desired,	
			enter an 'N' or leave blank. If not	
			entered, a default of 'N' is assumed.	
9	9	Chemicals	Enter a 'Y' if chemical samples are	A
			to be scheduled for this PWS. If	
			chemical scheduling is not desired,	
			enter an 'N' or leave blank. If not	
			entered, a default of 'N' is assumed.	
10	10	Bacterio-	Enter a 'Y' if Bacteriological samples	A
		logical	are to be scheduled for this PWS. If	
			Bacteriological Scheduling is not de-	
			sired, enter an 'N' or leave blank. If	
			not entered, a default of 'N' is assumed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Sampling Scheduling Input Form	WAQC.124
PURPOSE: To determine what sample schedule output is to be produced for each Public Water System (PWS), for Program WAQC130	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
11	11	Natural	Enter a 'y' if Natural Radionuclide	A
		Radio-	samples are to be scheduled for this	
		Nuclides	PWS. If Natural Radionuclide	
			scheduling is not desired, enter an 'N'	
			or leave blank. If not entered, a	
			default of 'N' is assumed.	
12	12	Man-made	Enter a 'Y' if Man-Made Radionuclide	A
		Radio-	Samples are to be scheduled for this	
		Nuclides	PWS. If Man-Made Radionuclide	
			scheduling is not desired, enter an 'N'	
			or leave blank. If not entered, a	
			default of 'N' is assumed.	
13	13	Bacterio-	Enter one of the following values if	A
		logical	Mailing Labels are desired for those	
		Mailing	Bacteriological Samples Scheduled	
		Labels	for this PWS:	
		Option		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Sampling Scheduling Input Form	EXHIBIT: WAQC.124
PURPOSE: To determine what sample schedule output is to be produced for each Public Water System (PWS), for program WAQC130	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justiry LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			S = One Label for this PWS	
			A = One Label for each Bacteriological	
			Sample scheduled for the PWS	
			P = The number of Labels for this PWS,	
			specified in card column 14-15.	
			If 'P' is entered, a number between	
			01 and 99 inclusive must be entered	
			in cc 14-15.	
			If Mailing Labels are not desired,	
			enter an 'N' or leave blank. If not	
			entered, a default of 'N' is assumed.	
14	15	Bacterio-	If 'P' was entered in Card Column 13	N
		logical	and a specific number of Mailing	
		Mailing	Labels for the Bacteriological samples	
		Labels	scheduled for this PWS is desired,	
		Number	enter that number here.	
			If entered, must be within the range	
			of 01 through 99 inclusive, and card	

MODEL STATE INFORMATION SYSTEM

Binder 20
5/29/79

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Sampling Scheduling Input Form	EXHIBIT: WAQC.124
PURPOSE: To determine what sample schedule output is to be produced for each Public Water System (PWS), for Program WAQC130.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			column 13 must be 'P'. If a specific	
			number is not desired or card column	
			13 is not 'P', leave blank.	
16	16	Reschedule	Enter a'Y' if the Chemical samples	A
		Chemicals	scheduled for this scheduling period	
			are to be scheduled again during this	
			job run. If rescheduling of chemical	
			samples for this PWS is not desired,	
			enter an 'N' or leave blank. If not	
			entered, a default of 'N' is assumed.	
17	17	Reschedule	Enter a 'Y' if the Natural or Man-Made	A
		Radio-	Radionuclide samples scheduled for	
		Nuclides	this scheduling period are to be sched-	
			uled again during this job run. If	
			rescheduling of Radionuclide samples	
			for this PWS is not desired, enter an	
			'N' or leave blank. If not entered, a	
			default of 'N' is assumed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Restart Form for Jobs (WAQC150-180)	WAQC.125
PURPOSE: Used to specificy the page number at which printing will be restarted for WAQC150, WAQC170, and WAQC180	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Preced LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of forms enter the job	
			description as assigned by computer	
			operations or scheduling	
1	7	Card ID	Represents the card identifier for	
			the Restart Options.	
			Preprinted on the form as	
			'RESTART'.	
8	14	Restart	Enter the page number at which	N,PRE/0
		Number	printing of the turnaround document	RJ
			is to be restarted.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE OF

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
PWF Consecutive Contaminant Input Form	WAQC.126
PURPOSE: This form is used to specify inorganic chemical monitoring requirements for consecutive Public Water Systems.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	DATA ELEMENT MNEMONIC NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	7	PWS ID	Enter the seven digit Public Water System (PWS) identification number. -- Applicable to consecutive PWS's only.	N
8	11	Contaminant ID	Enter the four digit ID of the contaminant which the consecutive PWS is required to monitor. -- Applicable to inorganic chemical contaminants only.	N
12	67		Second through fifteenth contaminants as described above.	N

254.01 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND.

CARD COL. FROM	CARD COL. TO	DATA ELEMENT MNEMONIC NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			This page intentionally left blank.	

254.02 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.128
PURPOSE: Provides the information necessary for the generation of reports concerning Potential Sample Abnormalities.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ-Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Specifies the code for the Processing Options card. --Pre-Printed on the form as 'PROC'	A/N
5	6	Record Sequence	Specifies the sequence number of the processing options record. --Pre-Printed on the form as '00' --Only on record of this type may be entered in a single run.	N
7	12	Processing Date	Enter the current date in the format MMDDYY. --Must be entered --Must be a valid date	N
13	13	Record Selection	Enter the single-digit numeric code to specify which portion of the Periodic Sample File (PSF) is to be used for processing. --If entered, must be numeric --The valid selection codes and the resulting record selections are	N

254.03 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.128
PURPOSE: Provides the information for the generation of reports concerning Potential Sample Abnormalities.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			1-Use of this option code will result	
			in the processing of only those	
			records which were added to the	
			Periodic Sample File (PSF) on the	
			date specified in the 'Processing	
			Date' field of this record (columns	
			7-12).	
			*If the field is not entered (contains	
			a blank), this option will be used as	
			'default'.	
			2-Use of this option code will result	
			in the processing of the entire	
			Periodic Sample File (PSF).	
14	14	Report	Enter the single-digit, numeric code	N
		Type	which designates the type of report	
			desired.	
			--If not entered, a warning message	
			will be produced and processing will	
			continue as though a value of '1'	
			had been entered in the field.	
			--Valid report type code options are	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.128
PURPOSE: Provides the information necessary for the generation of reports concerning Potential Sample Abnormalities.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			as follows	
			0-Produce no report. No detail sample	
			report is produced when this option is	
			used. The only report generated is	
			the summary report, i.e. total number	
			of records on PSF, total number of	
			records processed, etc.	
			1-Use of this option code will result	
			in the selection of those sample	
			records which have an analysis result	
			which exceeds the 'Basic Contaminant	
			Level' of the Early Notification	
			Table.	
			**This is the 'default value' for this	
			field.	
			2-Use of this option code will result	
			in the selection of sample records	
			which have an analysis result within	
			the lower and upper contaminant	
			levels of the Early Notification Table.	
			3-Use of this option code will result	
			in the selection of those records	

254.05 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.128
PURPOSE: Provides the information necessary for the generations of reports concerning Potential Sample Abnormalities.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			which have an analysis result that	
			is greater than the Basic Contam-	
			inant Level of the Early Notifica-	
			tion Table, but does not exceed the	
			upper limit of the Early Notification	
			Table.	
			--Note that if a report type is re-	
			quested which requires the use of	
			the lower Contaminant Level and/or	
			the Upper Contaminant Level, and	
			these values are not present on the	
			Early Notification Table, these	
			limits will be generated as follows-	
			LOW LEVEL=BASIC CONTAM-(BASIC CONTAM*0.25)	
			UPPER LEVEL=BASIC CONTAM+(BASIC CONTAM*0.25)	
			4-Use of this option code will result in	
			the selection of those records which	
			have an analysis result which is	
			greater than the upper limit of the	
			Early Notification Table.	

254.06 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Option Input Form	EXHIBIT: WAQC.129
PURPOSE: Provides temporary overrides for lower and upper contaminant levels of the Early Notification Table.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Specifies the code for Processing	A/N
			Options record	
			--Pre-Printed on the form as 'PROC'	
			--Must be entered.	
5	6	Record	Specifies the processing sequence number	N
		Sequence	of the Processing Options record	
			--Pre-Printed on the form as '01'	
			--Must be entered	
7	10	Contaminant	Enter the four digit numeric code which	N
16	19	ID	specifies the contaminant record in the	
25	28		Early Notification Table which is to be	
34	37		modified. Valid values are those con-	
43	46		tained in the Code Value Table (MSCVT)	
52	55		for Contaminant-ID, cataloque #001.	
61	64		Values that are valid but are not found	
70	73		in the Early Notification Table from the	
			RGF will produce an error message;	
			processing will continue.	
			--Must be a valid value from the Code	
			Value Table (MSCVT), Catalogue #001	

254.07 (R)

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Option Input Form	EXHIBIT: WAQC.129
PURPOSE: Provides temporary overrides for lower and upper contaminant levels of the Early Notification Table.	LEGEND: A=Alpha N-Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			--A corresponding record for this Con-	
			taminant-ID must exist on the Early	
			Notification Table in the RGF	
11	13	Analysis	Enter the three-digit numeric identi-	N
20	22	Method	fication code of the analysis method	
29	31		to be grouped with the corresponding	
38	40		Contaminant-ID	
47	49		--If entered, must be valid for the	
56	58		contaminant type and a valid code from	
65	67		the Code Value Table (LBCVT) catalogue	
74	76		#820	
			--If this field is left blank, the	
			corresponding percentage/exclusion	
			field will apply to all analysis	
			methods for this contaminant.	
14	15	Percentage	Enter either:	N
23	24	or	1. The two-digit numeric which specifies	
32	33	Exclusion	a percentage value to be used in the	
41	42		modification of the 'Lower Contami-	
50	51		nant Level' and the 'Upper Contami-	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.129
PURPOSE: Provides temporary overrides for lower and upper contaminant levels of the Early Notification Table.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
59	60		nant Level' of the Early Notification	
68	69		Table, reference Exhibit REGS.110 for an	
77	78		explanation of these fields. Valid	
			numeric values for this field range from	
			'01' thru and including '99'. This	
			field can drastically change the original	
			values of an Early Notification Table	
			record, as supplied to the program by	
			the Regulations File (which can only be	
			updated by recreating the Regulations	
			File (RGF) itself). The 'PERCENTAGE'	
			field thus permits flexible reporting	
			of analysis results, depending on the	
			purpose of the report requested. An	
			example of the use of this field would	
			be:	
			-Processing option input values =	
			Contaminant-ID=1010 Percentage=15	
			-Original table values, as supplied by	
			the RGF--	
			Contaminant-ID=1010	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.129
PURPOSE: Provides temporary overrides for the lower and upper contaminant levels of the Early Notification Table.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Lower Contaminant Level=0.05	
			Basic Contaminant Level=0.5	
			Upper Contaminant Level=1.5	
			-The following calculations are per-	
			formed; the results of which are used	
			to replace the corresponding value in	
			the table--	
			A. Lower Contaminant Level =	
			Basic Contaminant Level-(Basic Con-	
			taminant Level *0.15) or-0.425=0.5-	
			(0.5*0.15)	
			B. Upper Contaminant Level =	
			Basic Contaminant Level + (Basic	
			Contaminant Level *0.15) or	
			-0.575=0.5+(0.5*0.15)	
			-Table values after the calculation	
			replacement has occurred (the values	
			which will be used during processing)--	
			Contaminant-ID=1010	
			Lower Contaminant Level=0.425	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
7/15/82

SOURCE DOCUMENT NAME: Processing Options Input Form	EXHIBIT: WAQC.129
PURPOSE: Provides temporary overrides for the lower and upper contaminant levels of the Early Notification Table.	LEGEND: A=Alpha N=Numeric A/N=Alphameric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Basic Contaminant Level=0.5	
			Upper Contaminant Level=0.575	
			2. Asterisk fill the field (enter '**')	
			if any and all processing is to be	
			by-passed for the corresponding	
			'Contaminant-ID'.	
			--Valid values are '01' to '99' or '**'	
			Numeric values specifying a percent-	
			age to be used for the modification	
			of the 'Lower Contaminant Level' and	
			the 'Upper Contaminant Level' of an	
			Early Notification Table record. The	
			double asterisk value, '**' specify-	
			ing a contaminant exclusion from	
			monitoring.	
			--If the corresponding 'Contaminant-ID'	
			field is entered; this field must also	
			be entered, spaces in the field con-	
			stitute an error.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
07/15/82

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: WAQC.130
PURPOSE: This transaction is used to delete an existing Violations File (VIF) record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	Violation Identification	Enter the 5-digit violation identification number. Must be entered.	N
6	7	Card Code	Represents the transaction code. Preprinted on the form as '99'.	
8	8	Record Deletion	Enter a 'Y' if deleting a record, otherwise leave blank.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
1/30/80

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job FEDR010	FEDR.100
PURPOSE: To determine the processing options for both programs of the Federal Reporting Subsystem.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			these processing options and is pre-	
			printed on the form as 'PROC'.	
5	10	Date	Enter the current date. Must be	N
			entered as MMDDYY where MM is the	
			month, DD is the day and YY is the	
			year. This field must be entered.	
14	19	From Date	Enter the beginning of the reporting	N
			period. If it is entered, it should	
			be entered as MMDDYY as above.	
20	25	To Date	Enter the ending date of the reporting	
			period. If it is entered it should be	
			entered as MMDDYY as above.	

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DATA ENTRY INSTRUCTIONS

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SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job FEDR010	FEDR.100
PURPOSE: To determine the processing options for both programs of the Federal Reporting Subsystem.	**LEGEND:** A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
26	27	Postal	Enter the two letter postal state code	A
		State	of the state regulating the Public	
		Abbrevia-	Water Systems to be reported. This	
		tion	field must be entered.	

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DATA ENTRY INSTRUCTIONS

Binder 20
1/30/80

SOURCE DOCUMENT NAME: Processing Options for Job FEDR020	EXHIBIT: FEDR.101
PURPOSE: To determine the Processing Options for FEDR020.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At the top of the form, enter the Job	
			identification as assigned by computer	
			operations or scheduling.	
1	4	CARD ID	Represents the card identifier for	
			these processing options and is	
			preprinted on the form as 'PROC'.	
5	10	DATE	Enter the current date. Must be	N
			entered as MMDDYY where MM is the	
			month, DD is the day, and YY is the	
			year.	
14	14	MODIFIED	Enter whether or not a Modified	A/N
		VIF FILE	Violations File is to be created.	
		OPTION	Y = Yes, create the Modified Violations	
			file.	
			N = No, do not create the Modified	
			Violations File	
			If left blank, the field defaults to	
			"N".	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
1/30/80

SOURCE DOCUMENT NAME: Processing Options for Job FEDR020	EXHIBIT: FEDR.101
PURPOSE:	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
15	15	MODIFIED	Enter whether or not a Modified	A/N
		VEF FILE	Variances and Exemptions File is to be	
		OPTION	created.	
			Y = Yes, create a Modified Variances	
			and Exemptions File	
			N = No, do not create a Modified	
			Variances and Exemptions File	
			If left blank, the field defaults to	
			"N".	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Standard History Purge Processing Options - MSIS050	EXHIBIT: MSIS.100
PURPOSE: Defines the date by which records are purged and selects whether or not to produce a report.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the code for the processing options card. The letters 'PROC' are preprinted on the form.	
5	10	Current Date	Enter the date the processing options are requested (usually the current date). It must be entered as MMDDYY where MM is month, DD is day, and YY is year.	
11	16	Purge Date	Enter the date used to determine which records are to be purged (purge records with their current update date less than this purge date). Must be entered in the order of month-day-year as above.	
17		Standard History Processing Option	The codes and options are: 1 = Do not produce a report 2 = Print all of the purged records Enter one of these codes.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Standard Table Files Creation or Standard History File Selection	EXHIBIT: MSIS.101
PURPOSE: Defines the date printed on the report.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the code for the	
			Processing Options card.	
			Preprinted on the form as 'PROC'.	
5	10	Date	Enter the current date.	N
			Must be entered.	
			Enter as MMDDYY, where MM is month,	
			DD is day, and YY is year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

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03/15/82

SOURCE DOCUMENT NAME: Error Message Table Input Form	EXHIBIT: MSIS.102
PURPOSE: Defines the table of error messages used in Standard Error Processing.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	1	Card ID	Represents the different types of Standard Table Records. Preprinted on the form as '1'.	
2	3	File ID	Indicates that any MSIS subsystem may utilize the error message on this specific record. Preprinted on the form as 'MS'.	A
4	6	Error Code	Enter the three digit number assigned to a specific error condition. It must be a unique number and must be entered. Use numbers from 001-100 for error conditions which result in an entire data entry transaction not being processed. Use numbers from 101-400 for errors which occur when a single data element value on a data entry transaction is questionable but is still used to update a file.	N

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Binder 20
03/15/82

SOURCE DOCUMENT NAME: Error Message Table Input Form	EXHIBIT: MSIS.102
PURPOSE: Defines the table of error messages used in Standard Error Processing.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Use numbers from 401-900 for errors	
			which occur when a single data element	
			value on a data entry transaction is	
			invalid and is not used to update the	
			file.	
7	34	Error	Enter a description of the error	A/N, LJ
		Message	associated with the code in columns	
			4-6. Must be entered.	
			Start the message with:	
			'REJECT -' if the error code is from	
			001-100.	
			'WARNING -' if the error code is from	
			101-400.	
			'INVALID -' if the error code is from	
			401-900.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Error Message Table Input Form	EXHIBIT: MSIS.102
PURPOSE: Defines the table of error messages used in Standard Error Processing.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
35	37	Error	Same as the above description.	N
		Code	Two sets of codes and messages can	
			be put on one record transaction.	
38	65	Error	Same as the above description.	A/N,LJ
		Message		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Code Value Table Input Form	EXHIBIT: MSIS.103
PURPOSE: Defines values for building the Code Value Table.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1		Card ID	Represents the different types of	
			Standard Table records.	
			Preprinted on the form as '2'.	
2	3	File ID	Enter the file which needs this	A
			code value record.	
			Must be entered.	
			Acceptable values are:	
			PW = Public Water File	
			RG = Regulations File	
			VE = Variances and Exemptions File	
			LB = Laboratory Table	
			OM = Operator and Mailing File	
			MS = Common Data Element File	
			If more than one file requires the	
			sample code value records, then use	
			the Common Data Elements File-ID - MS.	
			For example, Contaminant-ID code	
			values will be used by several files,	
			so the File-ID 'MS' should be used.	

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DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
Code Value Table Input Form	MSIS.103
PURPOSE: Defines values for building the Code Value Table.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
4	6	D.E Catalogue Number	Enter the unique three digit number used to identify a specific data element. Refer to the Data Element Dictionary for these assigned numbers. Must be entered.	N
7	15	D.E. Value	Enter an acceptable code for the data element whose catalogue number is D.E. Catalogue Number. This field is nine positions long. If CV-LENGTH equals N, then only use the first N positions of this field to enter the acceptable code. For example, if D.E. Length = 4, and the acceptable code is 3000; then enter the value as follows: 3 0 0 0 Must be entered.	A/N
16	16	D.E. Length	Enter the length of the data element code value, D.E. value. Must be entered	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/30/81

SOURCE DOCUMENT NAME:	EXHIBIT:
Code Value Table Input Form	MSIS.103
PURPOSE: Defines values for building the Code Value Table.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric RJ=Right Justify LJ=Left Justify PRE/0=Precede Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
17	46	D.E. Description	Enter a description of what the D.E. Value represents. Must be entered.	A/N
47	47	Contaminant	Enter a "P" for Primary or an "S" for Secondary. This field must be entered when Data Element Catalogue Number is "001" and File ID is "MS". Leave this field blank for all other combinations.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Data Element Table Input Form	EXHIBIT: MSIS.104
PURPOSE: Defines values for building the Data Element TAble.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	1	Card ID	Represents the different types of	
			Standard Table Records.	
			Preprinted on the form as 3.	
2	3	File ID	Enter the ID of the file which needs this	A
			code value record.	
			Must be entered.	
			Acceptable values are:	
			PW = Public Water File	
			PS = Periodic Sample File	
			SA = Sample and Analysis File	
			VI = Violations File	
			RG = Regulations File	
			VE = Variances and Exemptions File	
			SH = Standard History File	
			PH = Public History File	
			OM = Operator and Mailing File	
			LB = Laboratory Table	

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Data Element Table Input Form	EXHIBIT: MSIS.104
PURPOSE: Defines values for building the Data Element Table.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
4	6	D.E.	Enter the unique three digit	N
		Catalogue	number used to identify a specific	
		Number	data element. Refer to the Data	
			Element Dictionary for these assigned	
			numbers. Must be entered.	
7	8	Start	Enter the starting card column	N, RJ,
		Position	number of the specific Data Entry	PRE/0
		Transaction	transaction which is used to enter	
			data onto MSIS concerning this	
			specific data element. Refer to the	
			input form for this value.	
			Must be entered. This field should	
			equal zero if the data element is	
			internally generated.	
9	12	Start	Enter the starting position of	N, RJ,
		Position	this data element on the file in	PRE/0
		File	which it is contained. Refer to the	
			record layout of the file which	
			contains this data element and use	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Data Element Table Input Form	EXHIBIT: MSIS.104
PURPOSE: Defines values for building the Data Element Table.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			the "FROM" position number on this	
			form. If the data element does not	
			have a "FROM" position number because	
			it is contained in a group (array) of	
			similar data elements, then insert	
			asterisks in this field.	
			Must be entered. If a data element	
			is not maintained on a file, this	
			field should equal zero.	
13	14	Field	Enter the number of positions used to	N,RJ,
		Length	contain this data element on a file.	PRE/0
		File	Must be entered. Must be non-zero.	
15	16	Field	Enter the number of card columns	N,RJ,
		Length	on the data entry input transaction	PRE/0
		Transaction	used to enter values for this	
			specific data element.	
			Must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME: Data Element Table Input Form	EXHIBIT: MSIS.104
PURPOSE: Defines values for building the Data Element Table.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
17	26	Mnemonic Name	Enter the mnemonic name of the data element. Refer to the record layout form of the file which contains this data element to acquire this name. Must be entered.	A/N
27	27	History Report Kept	Enter whether or not this data element should be kept on the Standard History File or the Public Water Inventory History File. Y=Yes, save. N=No, do not save. If the File ID is not equal to PW, VI, VE, or OM, then this field should be blank.	A

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DATA ENTRY INSTRUCTIONS

Binder 20
10/31/79

SOURCE DOCUMENT NAME: Standard History Selection Form - Definition of Data Elements	EXHIBIT: MSIS.106
PURPOSE: Defines selection criteria.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	The unique card code ID - 'SEL1'.	
			Preprinted on the form.	
5	14	Data	This is the short mnemonic name of	
		Element	data elements on the Standard	
		Mnemonic	History File. See the attached	
		Name	record layout. Enter the name of	
			a data element which will be used	
			to determine selection.	
			Must be entered.	
15	29	Data	This is a value to be associated	LJ,A/N
		Element	with the data element named in	
		Comparative	Data Element Mnemonic Name.	
		Value	Must be entered.	
30	31	Data	This is an ID number used to	
		Element	uniquely identify the Data Element	
		Logic ID	Mnemonic Name and Data Element	
		Number	Comparative Value from other 'SEL1'	
			records. It must be a number between	
			1-35. It must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Selection Form - Definition of Logic for Selection	EXHIBIT: MSIS.107
PURPOSE: Defines selection criteria. Used with MSIS.106.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	The unique card code ID - 'SEL2'.	
			Preprinted on the form.	
5	6	Relation	Enter the relation symbol for the	A
		Symbol	type of comparison that should be	
			done in the selection process for a	
			particular data element that has been	
			defined on a 'SEL1' record. Enter the	
			symbol next to the Data Element Logic	
			ID No which corresponds to the Logic	
			ID Number from the 'SEL1' record. The	
			relation symbols are listed on the form.	
7	74		All the other fields on this record	
			have the same descriptions as the above.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Sort Options for Standard History Selection	EXHIBIT: MSIS.108
PURPOSE: Defines sort criteria.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precedes Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	The unique card code ID - 'SORT' Preprinted on form.	
5	6	Sort Sequence	This represents the sequence by which data elements are used to sort the file. Thus, the data element which should be the used first to sort the file would have a Sort Sequence equal to '01'. If Mnemonic Name of Data Element is entered then this must be entered.	N
7	16	Mnemonic Name of Data Element	This is the mnemonic name of the data element which is to be used in sorting the file. See the attached record layout for mnemonic names.	
17	17	Sort Mode	This represents how to sort the data element specified in Sort Mnemonic in ascending (A) or descending (D) order. Enter either A or D. If Sort Mnemonic	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Sort Options for Standard History Selection	EXHIBIT: MSIS.108
PURPOSE: Defines sort criteria.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precedes RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			is entered, then this must be entered.	
18	19	Sort	Same as above	
		Sequence		
20	29	Mnemonic	Same as above	
		Name		
30	30	Sort Mode	Same as above	
31	32	Sort	Same as above	
		Sequence		
33	42	Mnemonic	Same as above	
		Name		
43	43	Sort Mode	Same as above	
44	45	Sort	Same as above	
		Sequence		
46	55	Mnemonic	Same as above	
		Name		
56	56	Sort Mode	Same as above	
57	58	Sort	Same as above	
		Sequence		
59	68	Mnemonic	Same as above	
		Name		
69	69	Sort Mode	Same as above	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VAEX.100
PURPOSE: This card is used to create a new Variance and Exemptions Record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identi-	Enter the ID number of the Variance or	A/N
		fication	Exemption. Must be entered.	
6	7	Card Code	Preprinted on the form as '00'.	
8	8	Record	Enter a 'Y' if creating a new record;	
		Creation	otherwise, leave this field blank.	

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Binder 20
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DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VAEX.100
PURPOSE: This card is used to update general information concerning the Variances and Exemptions record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Jusityf Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identi-	Enter the ID number of the Variance or	N
		fication	Exemption. Must be entered.	
6	7	Card Code	Preprinted on the form as '01'.	
8	14	PWS ID	Enter the 7 digit identification number	N
			of the Public Water System associated	
			with the Variance or Exemption. Must be	
			entered if creating a new Variance or	
			Exemption record.	
15	15	V/E	Enter the code that identify's the rec-	A
			ord as a Variance or Exemption, 'V' for	
			Variance or 'E' for Exemption. Must be	
			entered if creating a new Variance or	
			Exemption record.	
16	20	V & E	Enter the previous VE-ID number if this	N
		Reference	is a revised version.	
21	26	Effective	Enter the date that the Variance or	N
		Date	Exemption became effective. Use the	
			format MMDDYY where MM is the month, DD	
			is the day and YY is the year.	
27	32	Expiration	Enter the date that the Variance or	N
		Date	Exemption expires. Use the format	
			MMDDYY, where MM is month, DD is the day.	

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SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VAEX.100
PURPOSE:	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			and YY is the year.	
33	34	Reason	Enter the code for the reason this Vari-	
			ance or Exemption was granted. The	
			valid codes and their meaning are	
			defined in the Code Value Table.	
35	35	Status	Enter the code for the status of this	
			Variance or Exemption. Thc valid codes	
			and their meanings are defined in the	
			Code Value Table.	
36	39	Contaminant	Enter the four-character ID of the con-	
			taminant for which this Variance or	
			Exemption was assigned. Valid contami-	
			nants, contaminant ID's and their mean-	
			ings are defined in the Code Value Table.	
40	44	MCL	Enter the allowable maximum or minimum	N
			contaminant level assigned to this Vari-	
			ance or Exemption. See the next field.	
			This field should not be used for con-	
			taminant ID = 0100.	
45	45	DEC	Enter the number of decimal places in	N
			the MCL. As an example, suppose that	
			the MCL was 23.45, then enter 02345 in	

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DATA ENTRY INSTRUCTIONS

Binder 20
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SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VAEX.100
PURPOSE:	LEGEND A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			the MCL field and enter 2 in the DEC	
			field. This field should not be used	
			for contaminant ID = 0100.	
46	48	Treatment	Enter the three digit code of the Treat-	
			ment Process for which this Variance or	
			Exemption was assigned. Treatment,	
			Treatment Codes, and their meanings are	
			defined in the Code Value Table.	
49	51	Alternate	Enter the three digit code of any alter-	
		Treatment	nate Treatment Process for which this	
			Variance or Exemption was assigned.	
			Treatments, Treatment Codes and their	
			meanings are defined in the Code Value	
			Table.	
52	54	Modified	Enter the Modified Sampling Frequency	N,PRE/0
		Frequency	(how often to sample) for the appropriate	
			Contaminant ID. This will be the number	
			of months between samples for contami-	
			nant ID ≠ 0100 or the number of hours	
			between samples for contaminant ID = 0100.	
55	55	Entry Point	Enter the single character code which	A,N
		Identifica-	uniquely identifies the PWS Entry Point	

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Binder 20
9/30/79

SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VAEX.100
PURPOSE:	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
		tion	for which this Variance or Exemption	
			applies. It must be the same character	
			which was used when creating the entry	
			point with PWSI010. This field should	
			only be utilized for contaminant ID =	
			0100.	
56	58	Monthly	Enter the monthly average MCL granted	N,PRE/0
		Average	the previously entered PWS Entry Point	
		MCL	as a condition of this Variance or	
			Exemption. One decimal place is assumed.	
			This field should only be utilized for	
			contaminant ID = 0100.	
59	61	Consecutive	Enter the consecutive daily average MCL	
		Daily	granted the previously entered PWS Entry	
		Average MCL	Point as a condition of this Variance or	
			Exemption. One decimal place is assumed.	
			This field should only be used for con-	
			taminant ID = 0100.	
62	80		Blank	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
9/30/79

SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VAEX.100
PURPOSE:	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0 RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identi-	Enter the ID number of the Variance	A/N
		fication	or Exemption. Must be entered.	
6	7	Card Code	These are preprinted on the form as	N
			'02' through '09' in sequence.	
8	37	Case	Case Abstract (a description) of the	
			Variance or Exemption, thirty characters	
			per line.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Compliance Schedule Milestone Maintenance Form	EXHIBIT: VAEX. 101
PURPOSE: This card is used to create a milestone entry in Variances and Exemptions records.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identification	Enter the ID number of the Variance or Exemption. Must be entered.	A/N
6	7	Card Code	Preprinted on the form as '20'.	
8	13	Target Date	Enter the date that this milestone should be reached. Use this format MMDDYY where MM is month, DD is day, and YY is year. Target Date and Milestone Code must be entered in order to add Milestones.	N
14	15	Milestone Code	Enter the appropriate description code for this milestone. Milestone descriptions and codes are defined in the Code Value Table. Target Date and Milestone Code must be entered in order to add Milestones.	A/N
16	17	Reporting Frequency	Enter a two digit number representing the number of months between repetitions of this milestone. If this is not a repeating milestone, enter zeros.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Compliance Schedule Milestone Maintenance Form	EXHIBIT: VAEX. 101
PURPOSE: These cards are used for entering milestone descriptions.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

	COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identification	Enter the ID number of the Variance or Exemption. Must be entered.	A/N
6	7	Card Code	These are preprinted on the form as '21' through '24' in sequence.	
8	13	Target Date	The date that this milestone should be reached. Must be entered. Enter as MMDDYY where MM is month, DD is day, and YY is year.	N
14	15	Milestone Code	Enter the appropriate description code for this milestone. Milestone description codes and their meanings are defined in the Code Value Table. Must be entered.	A/N
16	45	Milestone Description	Enter an abstract (description) of this milestone, thirty characters per card. No more than four cards can be used to describe a milestone.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Compliance Schedule Milestone Maintenance Form	EXHIBIT: VAEX.101
PURPOSE: This card is used to enter Milestone Delay Codes and Milestone Attained dates. This card is also used to delete milestones.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identi-	Enter the ID Number of the Variance	N
		fication	or Exemption. Must be entered.	
6	7	Card Code	Preprinted on the form as '25'	
8	13	Target	Enter the date that this milestone	N
		Date	should be reached. Use the format	
			MMDDYY where MM is month, DD is day,	
			and YY is year. Must be entered.	
14	15	Milestone	Enter the appropriate description	A/N
		Code	code for this milestone. Milestone	
			Descriptions, meanings, and codes are	
			defined in the Code Value Table.	
			Must be entered.	
16	21	Date	Enter the date that the milestone was	N
		Attained	achieved. Use the format MMDDYY	
			where MM is month, DD is day, and YY	
			is year.	
22	22	Delay/	Enter the proper delay code. Delay	N
		Deletion	Codes and their meanings are defined	
		Code	in the Code Value Table. If this	
			milestone is to be deleted, use the	
			deletion code = 'Z'.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job *	EXHIBIT: VAEX.102
PURPOSE: This record is used to enter all Processing Options for the Variances and Exemptions update procedure.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			* At the top of the form, enter the job	
			identification as assigned by computer	
			operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			Processing Options. Preprinted on the	
			form as "PROC".	
5	10	Date	Enter the current date. Use the format	N
			MMDDYY where MM is the month, DD is the	
			day, and YY is the year.	
11	11	Standard	This column is used to determine if a	A
		Error	special file of error records is to be	
		Options	produced. Enter 'Y' for yes 'N' for	
			No.	
12	12	Standard	This column is used to determine the	A
		Error	element fields to be printed on the	
		Options	Error File. 'Y' = print only the data	
			element fields which are in error.	
			'N' = print the entire record.	
13	13	Standard	Enter the code for the type of	N
		History	History Report to be produced.	
		Options	1. Only new Standard History File	
			Records.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job *	EXHIBIT: VAEX.102
PURPOSE: This record is used to enter all Processing Options for the Variances and Exemptions update procedure.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			2. All the Standard Histroy File	
			Records which were ever created	
			from this subsystem.	
			3. The entire Standard History File.	
			4. Do not print a report.	
14	14	Report	To produce the Compliance Report,	A
		Options	enter a 'Y', otherwise enter 'N'.	
15	15	Report	To produce the Compliance in Arrears	A
		Options	Report, enter 'Y', otherwise enter 'N'.	
16	27	Compliance	If the default Compliance period is	N
		Period	not to be used, then enter the wanted	
		From/To	compliance period. Use the format	
		Dates	MMDDYY-MMDDYY where MM is month, DD is	
			day and YY is year. Otherwise, leave	
			blank.	
28	33	Compliance	If the date in columns 5-10 is not to	N
		in Arrears	be used for the Compliance in Arrears	
		Date	date, then enter the desired date in	
			the form MMDDYY, where MM is month,	
			DD is day, and YY is year. Otherwise,	
			leave blank.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	VAEX.103
PURPOSE: To determine the sequence in which output files from program VAEX040 will be sorted.	LEGEND: A=Alpha Numeric A/N=Alphanumeric PRE/0= Preced RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Sort Processing Options.	
			Preprinted on the form as "SORT".	
5	6	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 7-16 in deter-	
			mining the sort of output records or	
			reports. The lowest number deter-	
			mines the first data element to be	
			used in sorting records. The second	
			lowest number determines the next	
			data element to be used in sorting	
			records and so on. Start with Sort	
			Sequence of '01' and continue with	
			'02', '03' in sequence as needed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	VAEX.103
PURPOSE: To determine the sequence in which output files from program VAEX040 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
7	16	Mnemonic	Enter the Mnemonic Name of the Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
17	17	Sort Mode	Enter 'A' for an ascending sequence or	A
			'D' for a descending sequence for the	
			Data Element specified in Columns	
			7-16. Ascending means that smaller	
			or lower values will be sorted first.	
			Example: 1,2,3,4 or A,B,C.	
			Descending will cause the reverse to	
			occur. Example: Z,Y,X,W.	
18	19	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 20-29 in deter-	
			mining the sort of output records or	
			reports.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	VAEX.103
PURPOSE: To determine the sequence in which output files from program VAEX040 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	29	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
30	30	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 20-29.	A
31	32	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 33-42 in determining the sort of output records or reports.	N
33	42	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	VAEX.103
PURPOSE: To determine the sequence in which output files from program VAEX040 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preced RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
43	43	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 33-42.	A
44	45	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 46-55 in determining the sort of output records or reports.	N
46	55	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
56	56	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 46-55.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	VAEX.103
PURPOSE: To determine the sequence in which output files from program VAEX040 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	58	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 59-68 in determining the sort of output records or reports.	N
59	68	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
69	69	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 59-68.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: VAEX.104
PURPOSE: To determine the Processing Options for Program VAEX040	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			*At the top of the form, enter the job	
			identification as assigned by computer	
			operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			Processing Options. Preprinted on the	
			form as "PROC".	
5	10	Date	Enter the current date. Use	N
			the format MMDDYY where MM is the	
			month, DD is the day, and YY is the	
			year.	
14	14	Condensed	Enter "Y" to produce the Condensed	A
		Report	List Report. Enter "N" to suppress	
			the Condensed List Report.	
15	15	Case	Enter "Y" to produce the Case History	A
		History	Report. Enter "N" to suppress the	
		Report	Case History Report.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Selection Form - Definition of Data Elements	EXHIBIT: VAEX.105
PURPOSE: To determine the records to be selected from the Variances and Exemptions File (VEF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the Card Identifier for	
			the data element selection form.	
			Preprinted on the form as "SEL1".	
5	14	Data	Enter the mnemonic name of the data	A/N,LJ
		Element	element which will be used to	
		Mnemonic	determine record selection.	
		Name	Must be entered.	
15	29	Data	Enter the value for the previously	A/N,LJ
		Element	specified data element which will	
		Comparative	be used to determine record	
		Value	selection.	
30	31	Data	Enter a two digit number. This	N
		Element	number must be unique for each	
		Logic ID	SEL1 record. Valid numbers are	
		Number	1-35. The number associates the	
			SEL1 record with the logic defined	
			on the SEL2 record.	
		NOTE: For	further explanation review the examples	
		detailed in	the Users Manual.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE ___ OF ___

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Selection Form - Definition of Logic for Selection	EXHIBIT: VAEX.106
PURPOSE: To determine the selection logic to be used for the Variances and Exemptions File (VEF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the Card Identifier for	
			Logic Selection.	
			Preprinted on the form as "SEL2".	
5	6	Relation	Enter one of the valid Relation	A
		Symbol	Symbols defined on the input form.	
			This symbol is a logical operator	
			and defines the desired relationship	
			between the Data Element and the	
			Comparative Value defined on the Data	
			Element Definition Form (SEL1). The	
			Data Element Logic ID number associ-	
			ates the relation symbols to the	
			proper Data Element.	
			Only enter if there is a corre-	
			sponding "SEL1" entry which has been	
			defined.	
7	74		Same as Columns 5-6.	A
		NOTE: For	further explanation review the examples	
		detailed in	the Users Manual.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form	EXHIBIT: VARX 107
PURPOSE: These cards are used to insert lines of the case abstract into Variances and Exemptions records.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identification	Enter the ID number of the Variance or Exemption. Must be entered.	A/N
6	7	Card Code	These are preprinted on the form as '10' through '17' in sequence.	N
8	37	Case Abstract	Enter the second eight lines of the Case Abstract (a description) of the Variance or Exemption. Thirty characters per line. No more than sixteen cards are allowed to describe the entire Variance or Exemption.	A/N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Variances and Exemptions Record Creation and Maintenance Form

EXHIBIT: VAEX.107

PURPOSE: This card is used for deleting a Variances and Exemptions record.

LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	V&E Identification	Enter the ID number of the Variance or Exemption if deleting a Variance or Exemption.	A/N
6	7	Card Code	Preprinted on the form as '99'.	
8	8	Record Deletion	Enter a 'Y' if deleting a record, otherwise leave this field blank.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
03/15/82

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			Pages 305-330 have been intentionally left blank.	

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE OF

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	SRVY.100
PURPOSE: To determine the Processing Options for Program SRVY010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job identification as assigned by Computer Operations or Scheduling.	
1	4	Card ID	Represents the Card Identifier for Processing Options. Preprinted on the form as "PROC".	
5	10	Date	Enter the Current date. Must be entered as MMDDYY, where MM is the month, DD is the day, and YY is the year.	N
11	12	Type of Water Supply	Enter the Priority Selection Weight for the type of water supply. Legal values are 0.0 thru 1.0. Note: Internal weights are .55 for community PWS's, .45 for others.	N
13	14	Population Served	Enter the Priority Selection Weight for the Population served. Legal values are 0.0 thru 1.0. Note: Internal weights are:	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	SRVY.100
PURPOSE: To determine the Processing Options for Program SRVY010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ= Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION		ADDITIONAL INSTRUCTIONS
			Population Range	Point Value	
			0 - 3,300	0.000	
			3,301 - 5,800	0.045	
			5,801 - 8,500	0.090	
			8,501 - 11,100	0.135	
			11,101 - 13,700	0.180	
			13,701 - 16,300	0.225	
			16,301 - 18,900	0.270	
			18,901 - 21,500	0.315	
			21,501 - 24,000	0.360	
			24,001 - 28,000	0.405	
			28,001 - 50,000	0.450	
			50,001 - 76,000	0.495	
			76,001 - 130,000	0.540	
			130,001 - 290,000	0.585	
			290,001 - 500,000	0.630	
			500,001 - 780,000	0.675	
			780,001 - 1,140,000	0.720	
			1,140,001 - 1,630,000	0.785	
			1,630,001 - 2,270,000	0.810	
			2,270,001 - 3,620,000	0.855	
			3,620,001 - and higher	0.900	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	SRVY.100
PURPOSE: To determine the Processing Options for Program SRVY010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION		ADDITIONAL INSTRUCTIONS
15	16	History	Enter the Priority Selection Weight		N
		of Past	for Violation History. Legal		
		Violations	Values are 0.0 thru 1.0.		
			Note: Internal weights are:		
			#of Violations in Last Two Years	Point Value	
			0	0.0	
			1 - 3	0.1	
			4 - 7	0.2	
			8 - 11	0.3	
			12 - 15	0.5	
			16 - 19	0.7	
			20 - Up	0.9	
17	18	Date of	Enter the Priority Selection Weight		N
		Last	for the date of the last Sanitary		
		Sanitary	Survey. Legal Values are 0.0 thru 1.0.		
		Survey	Note: Internal weights are:		
			# of Years Since Last Sanitary Survey	Point Value	
			0 - 1	0.0	
			1 - 2	0.1	
			2 - 3	0.3	
			3 - 4	0.5	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: SRVY 100
PURPOSE: To determine the Processing Options for Program SRVY010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			4 - 5 0.7	
			5 - Over 0.9	
19	20	Type of	Enter the Priority Selection weight	N
		Source	for the type of Source Water. Legal	
		Water	Values are 0.0 thru 1.0.	
			Note: Internal weights are .55 for	
			PWS's with any S or P source codes, .45	
			for others.	
			The sum total of the five selection	
			weights must equal 1.0	
21	21	Priority	Enter "Y" to produce the Priority	A
		Report	Report. Enter "N" to suppress the	
			report.	
22	22	Schedule	Enter "Y" to produce the Schedule	A
		Report	Report. Enter "N" to suppress the	
			report.	
23	23	Priority	Enter the Code for the type of	N
		Option	Priority Option desired. The Codes and	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/30/80

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	SRVY.100
PURPOSE: To determine the Processing Options for Program SRVY101	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			their meanings are:	
			1 = The reports will cover the entire	
			state.	
			2 = The reports will cover only	
			specific regions and/or districts	
			as specified in columns 28-47.	
			3 = The reports will distribute the	
			number of Sanitary Surveys equally	
			among all regions in the state.	
24	27	Surveying	Enter the number of surveys which	A/N
		Capacity	the specified surveying authority has	
			the capability of performing within	
			the specified period. Enter blanks	
			to specify an unlimited capacity.	
28	47	Region/	Enter the specific two digit region	N, RJ,
		District	codes and/or district codes of regions,	PRE/0
			districts, or region/district combina-	
			tions to be surveyed. If column 23	
			is not equal to '2', these fields must	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
5/12/78

SOURCE DOCUMENT NAME:	EXHIBIT:
Processing Options for Job	SRVY.100
PURPOSE: To determine the Processing Options for Program SRVY010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ= Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			be blank. If column 23 is equal to '2'	
			one of these fields must be non-blank.	
48	59	Surveying	Enter the period during which the	N
		Period	Sanitary Surveys are to be	
		From/To	Scheduled. The From date and the	
		Dates	To date must be entered in the form	
			MMDDYY where MM is the month, DD is the	
			day, and YY is the year.	
60	60	PWF Report	Enter one of the valid PWF report	A/N
		Option	options as shown on the Data Entry	
			Form. If column 22 is equal to "N",	
			this field must be left blank since	
			this option pertains to those Public	
			Water System Records that will be	
			shown on the Schedule Report.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	SRVY.101
PURPOSE: To determine the sequence in which output files from program SRVY010 will be sorted.	LEGEND: A=Alpha Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Sort Processing Options.	
			Preprinted on the form as "SORT".	
5	6	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 7-16 in deter-	
			mining the sort of output records or	
			reports. The lowest number deter-	
			mines the first data element to be	
			used in sorting records. The second	
			lowest number determines the next	
			data element to be used in sorting	
			records and so on. Start with Sort	
			Sequence of '01' and continue with	
			'02', '03' in sequence as needed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: SRVY.101
PURPOSE: To determine the sequence in which output files from program SRVY010 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Preced RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
7	16	Mnemonic	Enter the Mnemonic Name of the Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
17	17	Sort Mode	Enter 'A' for an ascending sequence or	A
			'D' for a descending sequence for the	
			Data Element specified in Columns	
			7-16. Ascending means that smaller	
			or lower values will be sorted first.	
			Example: 1,2,3,4 or A,B,C.	
			Descending will cause the reverse to	
			occur. Example: Z,Y,X,W.	
18	19	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 20-29 in deter-	
			mining the sort of output records or	
			reports.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	SRVY.101
PURPOSE: To determine the sequence in which output files from program SRVY010 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	29	Mnemonic	Enter the Mnemonic Name of a Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
30	30	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in Columns	
			20-29.	
31	32	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 33-42 in deter-	
			mining the sort of output records or	
			reports.	
33	42	Mnemonic	Enter the Mnemonic Name of a Data	A/N,LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	SRVY.101
PURPOSE: To determine the sequence in which output files from program SRVY010 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Preceded RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
43	43	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 33-42.	A
44	45	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 46-55 in determining the sort of output records or reports.	N
46	55	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
56	56	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 46-55.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
SORT Options for Job	SRVY.101
PURPOSE: To determine the sequence in which output files from program SRVY010 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	58	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 59-68 in determining the sort of output records or reports.	N
59	68	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N,LJ
69	69	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 59-68.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

PAGE OF

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Record Creation and Maintenance Form	EXHIBIT: OPER.100
PURPOSE: To Create Operator and Mailing File (OMF) Records.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	O&M Identi-	Enter the ID number of the addressee.	A/N
		fication	This field must be entered.	
6	7	Card Code	Represents the Transaction code.	
			Preprinted on the form as "00".	
8	8	Record	Enter a 'Y' if this is a new OMF	A/N
		Creation	Record. Otherwise leave blank.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

Binder 20
4/30/80

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	OPER.100
PURPOSE: To Add or Update the O&M Type, Name, and Street Fields in an OMF Record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	O&M Identi-	Enter the ID Number of the Addressee.	A/N
		fication	This field must be entered.	
6	7	Card Code	Represents the Transaction Code.	
			Preprinted on the form as "01".	
8	8	O&M Type	Enter an '0' if this Addressee is a	A/N
			Certified Operator. Enter any legal	
			addressee type, as defined in the Code	
			Value Table, if this addressee is not	
			a Certified Operator. When creating a	
			record this field must be entered.	
			Upon updating the file, the Addressee	
			type code is converted from '0' (zero)	
			to 'O' (letter).	
9	38	Name	Enter the name of the Addressee.	A/N,LJ
			When creating a record this field must	
			be entered.	
39	68	Street	Enter the street address of the	A/N,LJ
		Address	Addressee. This must be the exact mail-	
			ing address, normally including street	
			name and number. When creating a	
			record this field must be entered.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	OPER.100
PURPOSE: To Add or update the City, State, Zip Code and Telephone Information in an OMF Record	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	O&M	Enter the ID number of the Addressee.	A/N
		Identifica-	This field must be entered.	
		tion		
6	7	Card Code	Represents the Transaction Code.	
			Preprinted on the Form as "02".	
8	37	City	Enter the City Name of the Addressee.	A/N,LJ
			This must be entered.	
38	39	State	Enter the alphabetic Postal State	A
			Code of the Addressee. This must be	
			entered.	
40	44	Zip Code	Enter the Postal Zip Code of the	N
			Addressee. This must be entered.	
45	47	Area Code	Enter the Telephone Area Code of the	N
			Addressee.	
48	54	Phone	Enter the telephone number of the	N
		Number	Addressee.	

MODEL STATE INFORMATION SYSTEM

Binder 20
3/1/79

DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	OPER.100
PURPOSE: To Add or update the Operator Information in an OMF Record.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= Precede zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	O&M	Enter the ID number of the Addressee.	A/N
		Identifica-	This field must be entered.	
		tion		
6	7	Card Code	Represents the Transaction Code.	
			Preprinted on the form as "03".	
8	14	Certificate	Enter the Certified Operators	A/N
		Number	Certificate Number.	
15	21	PWS ID	Enter the Public Water System	A/N
			Identification Number. This field	
			must be entered for operators.	
22	27	Operator	Enter the Operators Certification	N
		Class	Class. Valid numbers are 0-9.	
28	33	Certificate	Enter the date on which the operator	N
		Renewal	is due to be recertified. Use the	
		Date	format MMDDYY where MM is the Month,	
			DD is the Day, and YY is the Year.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
Record Creation and Maintenance Form	OPER.100
PURPOSE: To delete an OMF Record	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	5	O&M	Enter the ID number of the Addressee.	A/N
		Identifica-	This field must be entered.	
		tion		
6	7	Card Code	Represents the Transaction Code.	
			Preprinted on the form as "99".	
8	8	Record	Enter a 'Y' if this OMF record is to	A/N
		Deletion	be deleted. Otherwise, leave blank.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: OPER.101
PURPOSE: To enter Processing Options for Program OPER010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the card identifier for	
			processing options. Preprinted on	
			the form as "PROC".	
5	10	Date	Enter the Current Date. Must be	N
			entered as MMDDYY where MM is the	
			Month, DD is the Day, and YY is the	
			Year.	
11	11	Standard	Enter a 'Y' if a special file of	A
		Error	Error Records is to be produced.	
		Processing	Enter a 'N' if it is not.	
		Options		
12	12	Standard	Enter a 'Y' if only the data element	A
		Error	fields which are in error are to be	
		Processing	printed on the Standard Error Report.	
		Options	Enter a 'N' if the entire record is	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: OPER.101
PURPOSE: To enter Processing Options for Program OPER010	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			to be printed.	
13	13	Standard	Enter the appropriate code for	N
		History	Standard History Processing, as	
		Processing	defined on the input form.	
		Options		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: OPER.102
PURPOSE: To determine the Processing Options for Program OPER020	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form, enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Processing Options.	
			Preprinted on the form as "PROC".	
5	10	Date	Enter the Current Date. Must be	N
			entered as MMDDYY where MM is the	
			Month, DD is the Day, and YY is the	
			Year.	
14	14	Certified	Enter 'Y' to produce the certified	A
		Operators	operators report. Enter 'N' to	
		Report	suppress the report.	
15	15	Mailing	Enter 'Y' to produce the Mailing	A
		Distribu-	Distribution Report. Enter 'N' to	
		tion	suppress the report.	
		Report		

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Processing Options for Job	EXHIBIT: OPER.102
PURPOSE: To determine the Processing Options for Program OPER020	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
16	16	Mailing Labels	Enter 'Y' to produce Mailing Labels. Enter 'N' to suppress mailing label production.	A
17	17	Number of Labels	Enter a number between 1 and 9 to indicate the number of times that each mailing label should be printed. If the Mailing Labels option entered in column 16 was 'N', leave this column blank.	N

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: OPER.103
PURPOSE: To determine the sequence in which output files from program OPER020 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
			At top of form enter the job	
			identification as assigned by	
			computer operations or scheduling.	
1	4	Card ID	Represents the Card Identifier for	
			Sort Processing Options.	
			Preprinted on the form "SORT".	
5	6	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 7-16 in deter-	
			mining the sort of output records or	
			reports. The lowest number deter-	
			mines the first data element to be	
			used in sorting records. The second	
			lowest number determines the next	
			data element to be used in sorting	
			records and so on. Start with Sort	
			Sequence or '01; and continue with	
			'02', '03' in sequence as needed.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: OPER.103
PURPOSE: To determine the sequence in which output files from program OPER020 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
7	16	Mnemonic	Enter the Mnemonic Name of the Data	A/N, LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
17	17	Sort Mode	Enter 'A' for an ascending sequence or	A
			'D' for a descending sequence for the	
			Data Element specified in Columns	
			7-16. Ascending means that smaller	
			or lower values will be sorted first.	
			Example: 1,2,3,4 or A,B,C.	
			Descending will cause the reverse to	
			occur. Example: Z,Y,X,W.	
18	19	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 20-29 in deter-	
			mining the sort of output records or	
			reports.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: OPER.103
PURPOSE: To determine the sequence in which output files from program OPER020 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
20	29	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N, LJ
30	30	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 20-29.	A
31	32	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 33-42 in determining the sort of output records or reports.	N
33	42	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N, LJ

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: OPER.103
PURPOSE: To determine the sequence in which output files from program OPER020 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede Zero RJ=Right Justify LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
43	43	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in	
			Columns 33-42.	
44	45	Sort	Enter a two-digit number indicating	N
		Sequence	the priority of the Data Element	
			specified in Columns 46-55 in deter-	
			mining the sort of output records or	
			reports.	
46	55	Mnemonic	Enter the Mnemonic Name of a Data	A/N, LJ
		Name of	Element to be used as a sort field.	
		Data		
		Element		
56	56	Sort Mode	Enter 'A' for an ascending sequence	A
			or 'D' for a descending sequence of	
			the Data Element specified in Columns	
			46-55.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: SORT Options for Job	EXHIBIT: OPER.103
PURPOSE: To determine the sequence in which output files from program OPER020 will be sorted.	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0= RJ=Right Justify Precede LJ=Left Justify Zero

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
57	58	Sort Sequence	Enter a two-digit number indicating the priority of the Data Element specified in Columns 59-68 in determining the sort of output records or reports.	N
59	68	Mnemonic Name of Data Element	Enter the Mnemonic Name of a Data Element to be used as a sort field.	A/N, LJ
69	69	Sort Mode	Enter 'A' for an ascending sequence or 'D' for a descending sequence of the Data Element specified in Columns 59-68.	A

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Selection Form - Definition of Data Elements	EXHIBIT: OPER.104
PURPOSE: To determine the records to be selected from the Operator and Mailing File (OMF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify LJ=Left Justify Zero

CARD COL. FROM	TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the Card Identifier for	
			the data element selection form.	
			Preprinted on the form as "SEL1".	
5	14	Data	Enter the mnemonic name of the data	A/N,LJ
		Element	element which will be used to	
		Mnemonic	determine record selection.	
		Name	Must be entered.	
15	29	Data	Enter the value for the previously	A/N,LJ
		Element	specified data element which will	
		Comparative	be used to determine record	
		Value	selection.	
30	31	Data	Enter a two digit number. This	N
		Element	number must be unique for each	
		Logic ID	SEL1 record. Valid numbers are	
		Number	1-35. The number associates the	
			SEL1 record with the logic defined	
			on the SEL2 record.	
		NOTE: For	further explanation review the examples	
		detailed in	the Users Manual.	

MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME: Selection Form - Definition of Logic for Selection	EXHIBIT: OPER.105
PURPOSE: To determine the selection logic to be used for the Operator and Mailing File (OMF).	LEGEND: A=Alpha N=Numeric A/N=Alphanumeric PRE/0=Precede RJ=Right Justify Zero LJ=Left Justify

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS
1	4	Card ID	Represents the Card Identifier for	
			Logic Selection.	
			Preprinted on the form as "SEL2".	
5	6	Relation	Enter one of the valid Relation	A
		Symbol	Symbols defined on the input form.	
			This symbol is a logical operator	
			and defines the desired relationship	
			between the Data Element and the	
			Comparative Value defined on the Data	
			Element Definition Form (SEL1). The	
			Data Element Logic ID number associ-	
			ates the relation symbols to the	
			proper Data Element.	
			Only enter if there is a corre-	
			sponding "SEL1" entry which has been	
			defined.	
7	74		Same as Columns 5-6.	A
		NOTE: For	further explanation review the examples	
		detailed in	the Users Manual.	

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MODEL STATE INFORMATION SYSTEM
DATA ENTRY INSTRUCTIONS

SOURCE DOCUMENT NAME:	EXHIBIT:
PURPOSE:	LEGEND:

CARD COL. FROM	CARD COL. TO	INPUT DOCUMENT NAME	DESCRIPTION	ADDITIONAL INSTRUCTIONS

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